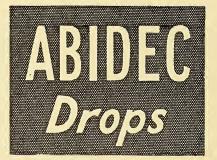
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**NOVEMBER 20, 1948** 



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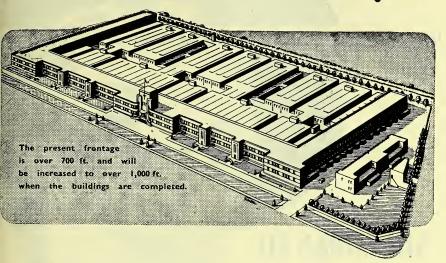
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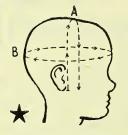
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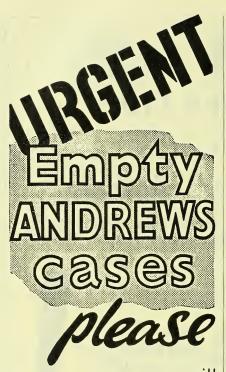
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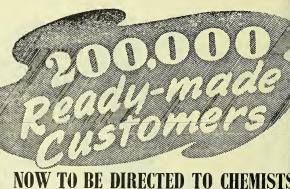


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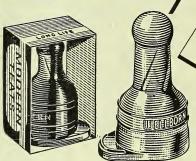
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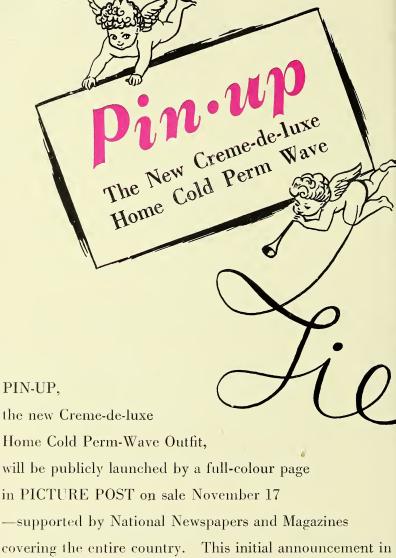
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CREMOMERAZINE' presents the clinical advantages of Sulphamerazine viz. rapid absorption, slow excretion, reduced toxicity and less frequent dosage, in a form that is ideally suited for administration to young children.

'CREMOMERAZINE' contains in each teaspoonful the equivalent of one tablet (0.5 Gm.) of Sulphamerazine.

'CREMOMERAZINE' is indicated in the treatment of meningococcal, pneumococcal, haemolytic streptococcal and gonococcal infections and in rheumatic fever prophylaxis.

'CREMOMERAZINE' is supplied in 4 oz. and 16 oz. bottles, listed at 9/- and 33/- respectively. Exempt from Purchase Tax and subject to  $33\frac{1}{3}\%$  discount.

Informative literature gladly forwarded on request.

Supplies may be obtained direct or through your usual wholesaler.



SHARP & DOHME LTD., HODDESDON, HERTS



#### TABLETS LOZENGES PASTILLES Uherever you may be!

In whatever part of the country your business may be situated there is a "CENTURION" Representative at your service—eager to assist you in any way possible. "CENTURION" Brand Products are popular with Chemists, and their customers, because it is known that the high standard of quality is consistently maintained. A postcard to the appropriate address below would bring the Representative to you at the earliest possible moment.

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#### SOUTHERN

Mr. P. F. Lobb, Shalford, Romney Road, Ensbury Romney Road, Ensbury Park, BOURNEMOUTH.

### NORTH LONDON AND MIDDLESEX

Mr. F. L. Kempson, M.P.S., 47, Kingfield Road, EALING, W.5.

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Mr. D. E. Williams, M.P.S., Davids, Park Road, CREDITON.

SCOTLAND Mr. H. H. Heal, M.P.S., 90, Essex Drive, GLASGOW, 4.

ESTD.

1817

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MIDLAND Mr. C. L. Bury, 6, Gilway, TAMWORTH, Staffs.

GERMICIDAL
NON-POISONCUS
NON-IRRITANT
NON-STAINING
DEODORANT
SOOTHING 8

NORTH WESTERN

NORTH WALES YORKS (W. RIDING)

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Mr. P. L. Browning, 220, Antrim Road, BELFAST.

DEVON CREDITON. COMPANY LIMITED. AND JACKSON ERNEST

### AUNG TO & TROCHES

For Coughs, Colds, Chest and Throat Ailments and also for Asthma and Bronchitis.

It is advisable to get stocks in now-be prepared for the demand following advertisements in the daily papers.

9/- per doz. Retail 1/41 each. 3 doz. lots 8/9 per doz.

BROOK, PARKER & Co., Ltd. ASHFIELD, BRADFORD



4 oz. botiles reta'l 3/01d.; Trade 20/- doz., plus Purchase Tax 6/6d., with generous quantity discounts

sures a regular and wide f.eld

#### DORAL BOON LTD CALDER STREET, MANCHESTER 2, ENGLAND

of application.

and distributed in the U.K. by

A. M. ASHFORD LIMITED HUNTER ROAD, SHEFFIELD, 6

### NEW-

KEEP THIS FOR REFERENCE

### COMBINED PARCELS

BENGER'S · GENATOSAN · WHIFFEN

You can now order all Genatosan products, all Benger products, and Whiffen 'Cardophylin' in one parcel on new and overall-generous terms.

#### New terms are

£3 mixed parcel	•	$2\frac{1}{2}\%$ discount
£5 mixed parcel		50 discount
£10 mixed parcel	•	$7\frac{1}{2}$ % discount
£12 mixed parcel		10% discount

All products (except dispensing packs, injection solutions and a few miscellaneous items which are nett) are subject to this parcel discount.

Those items which are nett may be used to build up the value of the order to discount parcel level. In which case the subject portion receives discount commensurate with the *total order* value.

\* \*

Every chemist can make up a £12 journey order using those previously mentioned and others such as 'GENAFORMINT', 'CALOGEN', 'FISSAN' Ointments and Powders, dispensing items, etc.

#### A suggested parcel

	£ s.	d.	£	s.	d.
1 doz. x 8/3d. 'sanatogen'	<b>3</b> 0	0	3/12 doz. x 20's. @ 3/-		
1 doz. x 5/6d.	2 0	0	'CARDOPHYLIN'		0
1/12 doz. x 37/7d.	1 2	10	6/12 doz. x 6/3d. 'BENECOL' 1	7	0
1 doz. x 1/6 d. 'GENASPRIN'	10	0	3/12 doz. x 5/6d.		
2 doz. x 2/5½d.	1 12	0	'CHRONALGICIN'		0
1 doz. x 1/10d. Menthol &			3/12 doz. x 4/3d. 'AURALGICIN'		
Wintergreen Cream	12	0	1 doz. x 2/- Benger's Food		
•			1 doz. x 3/6d. ,, ,, 1		0
1 doz. x 1/3d. 'cogene'	8	0	1/12 doz. x 6/2d. ,, ,,	5	0

Such an order comprises only a fraction of the specialities you are constantly selling . . . . apart from medically prescribed ethicals, and items quoted nett.

Please address orders and correspondence to:

#### BRITISH CHEMICALS & BIOLOGICALS LTD., LOUGHBOROUGH

controlling BENGER'S LTD., GENATOSAN LTD., WHIFFEN & SONS LTD.

Telephone: Loughborough 2292 -

### ENTROSALYL

Capsules

A new presentation of sodium salicylate in capsule form which obviates all the disadvantages associated with the administration of sodium salicylate in its usual form.

Each capsule contains 0.50 gm. sodium salicylate and may be taken with complete freedom from nausea or gastric irritation.

#### P.A.T.A. retail prices

50's	•	•		4/101
200's	-	-	-	17/71
,000's	-	-	-	68/24

CONTINENTAL LABORATORIES LTD.

101 Great Russell Street, London, W.C.I.

Yes madam— Babeglo will clear your baby's scurf (CRADLE)

### BABEGLO

BABY'S SCALP LOTION

SHOWS YOU

wholesale terms

O - PER DOZ

(14 BOTTLES)

PLUS 3/11 P. TAX

RETAIL 1/61 PER BOTTLE



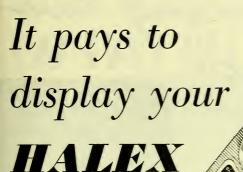
ORDER NOW BONUS TERMS

PROFIT ON COST (DURING BONUS PERIOD)

**BABEGLO PRODUCTS** 

MANF'G. CHEMISTS

426 WATFORD WAY LONDON, N.W.7



goods!

Let your window and your counter tell the Halex story. Show people that you stock the famous Rondated toothbrushes with the smoothly tipped nylon strands. Cash in on the fascinating look of the Halex Combing Brush with its flexible plastic quills. This unusual instrument is fast becoming a fashion as well as a favourite with women who take a pride in their hair.

Then there are the ever-popular pneumatic hairbrushes with their firm but springy nylon tufts, dainty baby sets, toilet sets, saw-cut combs and colourful fancy goods of every kind.



HALEX LIMITED, HALE END, LONDON, E.4

ONDATED is a registered trade name of Halex Limited.

# Introducing two

GENUINE rench Derfumes







Specially for Christmas, Rimmel have introduced two really exceptional cosmetic lines — and remember if a product is exceptional it sells.

● Your women customers will buy this sophisticated genuine French perfume because: Its price is competitive, the bottles are French and attractive.

Retail prices:

Decanter bottles 10s, each,

R-bottles 3s. 6d. each.

Vocalise and Ghislaine dipper bottles 6s. 6d. each.

lt pays to stock-

Rimmel

48 NORTH ROW · PARK LANE · W.

### wonderful COSMETIC LINES

• For the first time a Lip-Fashion
Pencil is available for the home
market.

- It is new: it will be fashionable: and it will be your best seller.
- 10 glorious shades.

Retail price 7s. 6d.

Refill price 4s. Id.

- Don't miss these golden opportunities.
   Supplies are limited and orders will be met
   in strict rotation.
- It pays to stock—

Dimmel.



Price list showing profitable quantity discounts on this quick selling Series will be sent on application to:-

Delavelle

ESTABLISHED 1880

38/46 ORSMAN ROAD, LONDON, N.I

Sole Agents in Northern Ireland:

JAY-BEE PRODUCTS (BELFAST) LTD.

7-13 Fleming Street, Belfast



Here is the larger of the two packs of Daisy Tablets which may become more popular than the neat and trim 4d, size. You will like the new 1/5 pack. A really good formula (A.P.C. with Piperine—perhaps the best of all A.P.C. combinations), a first-rate pack—a popular price and generous profit.

UNIVERSALLY ADVERTISED
Limited supplies of this handsome display carrots.

UNIVERSALLY ADVERTISED
Limited supplies of this handsome display cartor are still available and will appeal to the Chemiss who seeks to establish the 1/5 Price Standard Order from your Wholesaler: 1 Display cartor (1 dozen), 1/5. Daisy Tablets at 9/6, plus Tax. (P.A.T.A.)

J. E. ELLIS LTD., HORSFORTH, LEEDS

POWDER PUFFS

Finest-Quality



### 'FABULO'

The well known Metal Curlers

Both lines our own manufacture

TWEEZERS, NAIL FILES, SCISSORS (AII kinds), TOOTH BRUSHES, NAIL BRUSHES, ALL KINDS OF COMBS (especially Vuicanite ones), HAIR GRIPS and HAIR NETS, BEST QUALITY. LACQUER, REMOVER, RUBBER GLOYES, etc., etc.

Representatives required on commission basis, for various areas.

Ask for Price List

HAETAM LTD

63 CORPORATION STREET, MANCHESTER,

# Pin·up A PRODUCT THAT WILL MAKE YOUR PROFITS GROW

The arrival of the new Pin-Up Home Cold Perm Outfit has already shown thousands of chemists the way to a fresh source of profits. Pin-Up is the *big news* on the beauty counter because it offers:

to women

-a pre-tested luxury

permanent wave at

prices for everybody

a-sky's-the-limit new
field of business at
incomparably generous
profit margins

#### RETAIL PRICES

pin.up

Salon-type Outfit - 15/- (inc.)
(With re-usable plastic curlers)

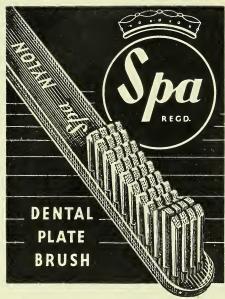
Standard Outfit - 10/- (inc. tax)

(With flexible curlers)

Refill Outfit - - 7/6 (inc. tax)

(With everything except the Pin-Up curlers)

"The British Home Perm for British Women"



# designed specially for the job

A Dental Plate Brush has a double job to do—it must clean every part of the plate as well as the dentures. No ordinary brush—and no adapted toothbrush—can do this.

The SPA Dental Plate Brush has been specially designed for its particular job. The handle is correctly shaped. The bristles are of the right hardness, length and spacing.

The price is right. The PROFIT is right. It's a P.A.T.A. line. And it's a

quick seller.



Supplies now available

SPA BRUSHES LIMITED Freeman Works, Chesham, Bucks. Phone: Chesham 648 (2 lines)

### Preparing for Christmas?

Lovely gifts, attractively packed, give an air of Christmas gaiety—invite customers to 'come in '. You can't do better than display these four gifts of Goya:

BATH SALTS—in 12 oz. 'Bubble' Jars individually packed in attractive cartons Gardenia and Rose Geranium. Retailing at 8/3 incl. tax. Trade price 40/- per doz.

BATH ESSENCE—in pre-war chunky cube bottles. In 4 fragrances. Retail price 2/6 incl. tax. Trade price 12/- per doz.

green tinted talc in a new and attractive tin. 3/9 incl. tax. Trade price 18/- per doz.

**TRAVEL QUARTET**—Four assorted Travel size bottles of Goya perfume. Retailing at 30/- incl. tax. Trade price 144/- per doz.

All four make popular gifts, and will be given country-wide publicity for Christmas.

PERFUME · LIPSTICK · POWDERS



161 · NEW BOND ST LONDON · WI

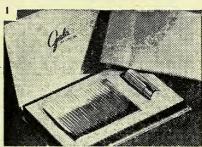
### GALA OF LONDON's four big Christmas 'Specials'!

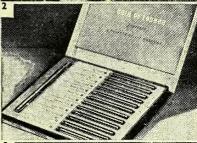
### MEAN BUSINESS FOR YOU

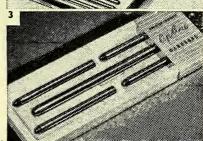
You'll be glad you stocked these beautiful Gala of London presentation cases because your customers will go for them in a big way. More than ever this year, Christmas giving is going to mean giving Gala of London preparations as the ideal gift. Gala of London answers the call for 'something special' in Christmas cosmetic presents with these four exciting presentation cases.

Your customers are well acquainted with each of these products as sold separately particularly the new Lip Line which is causing such a sensation, and is receiving wide pre-Christmas publicity. Now your customers will be delighted to find these Gala products grouped together in their gay, seasonable packs so right for the morning of December 25! Be sure to display these Gala of London sets in your window and on your counter. Their eye-catching, artistic packs will appeal strongly to both your men and women customers - meaning sure business for you. Write TO-DAY for details.

- (I) Gala Compact Set, consisting of gold-metal compact and matching lip-
- (2) Lip Line Palette consisting of the new exciting Lip Line case and 12 refills.
- (3) Lip Line Wardrobe, consisting of Lip Line case and 4 refills.
- (4) Nail Colour Wardrobe, consisting of a selection of 5 Nail Colours and a special protector.







#### PRICES

TRADE (without Pur. Tax) RETAIL (with Tax)

I LIPSTICK AND COMPACT SET. 2 LIP LINE PALETTE . 3 LIP LINE WARDROBE

156/- per doz. 192/- per doz. 72 /- per doz.

40/- each 15/- each

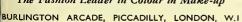
32/6 each

**4 NAIL COLOUR WARDROBE** 

72 /- per doz.

15/- each

The Fashion Leader in Colour in Make-up





Distributors: MYRAM PICKER LTD., HOOK RISE, SURBITON, SURREY

# NU TRADE MARK





# will be your Best Seller BECAUSE -

### I. THE FORMULA IS RIGHT!

NUZORA is the triumphant result of extensive research to find the ideal hair dressing. NUZORA contains NO gum or starch, is clean to use, imparts pleasant gloss, is easy on hats and pillows, economical in use and tones up the scalp.

### 2. THE PRICE IS RIGHT!

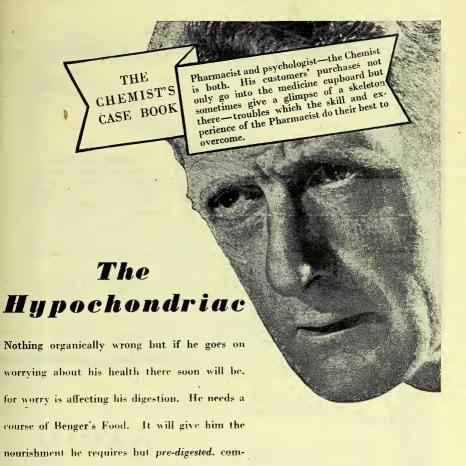
NUZORA, retailing at 2/1d., provides a luxury hair dressing at a popular price.

### 3. THE ADVERTISING IS RIGHT!

NUZORA is being supported with a striking, nation-wide advertising campaign. Attractive showcards are available for prominent display in your window and on your counter. After the first sale NUZORA will sell itself.

A product of the ANZORA PERFUMERY CO., LTD.

Keeps your hair in good order



# Another case for Benger's Food

pletely assimilated without digestive strain. He

will sleep better, feel fitter. A word from you

will make a normal man of him. . . .

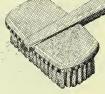
90% of your customers need Benger's Food and are being educated to ask for it.

# New Meolite Models



### Neolite Gent's Hairbrush

A man's brush of distinction in a style appealing strongly to all ages. Retail, inc. tax, plain top, 18/4. Fluted top, 22/11.



### **Neolite Bath Brush**

A fascinating and graceful new design. The long handle is specially curved for added ease in use. The head can be detached to serve a dual purpose. A beautiful accessory for the modern bathroom. Retail 1943 inc. tax.

Available in the following shades

Crystal with Opal, Pink, Cream, Yellow, Green, Blue, Peach, Turquoise, Black, also clear designs.

# UNIVERSAL BRUSH CO. LTD. LUTON

Northern Ireland Agents and Distributors:

Jay-Bee Products (Belfast) Ltd., 7/13 Fleming Street, Belfast



# JACQUESIL FABRICS

LTD.

RED BANK MILLS, RADCLIFFE, Nr. MANCHESTER

makers of the famous

**DAWN** 

FACE CLOTH

can now offer a range of

FACE CLOTHS RAZOR TOWELS and

HAND TOWELS

# FOR EXPORT

-unfortunately not for Home Trade

London Representative

G. H. BOLTON, Charterhouse Chambers Charterhouse Square, E.C.I



# Potter's Tharmaceutical Soaps and Germicides



SAPO MOLLIS B.P. VIRID. SAPO MOLLIS B.P. SAPO MOLLIS COMMERCIAL

TYRO-LOL GERMICIDE

Three times stronger than Carbolic Acid. Non-poisonous and non-irritating

Particulars and Prices of these and similar preparations on request

# POTTER & CLARKE LTD.

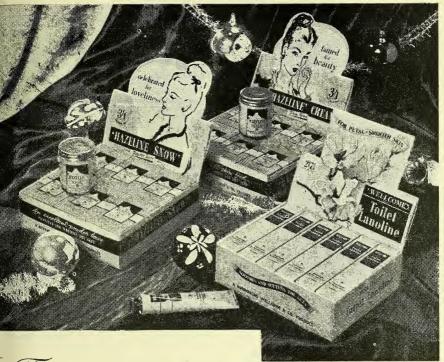
60-64 Artillery Lane, LONDON, E.I.
Phone: BIShopsgate 4761. Grams: Horehound, Phone, London

77 Dantzic Street, MANCHESTER 4
Phone: Blackfriars 8734. Grams: Ho.ehound, Manchester

Jam Inagacanth

N.S. DANGOOR LTD. Suppliers to the Industry

PROVINCIAL HOUSE, 98 - 106 CANNON STREET, LONDON E.C.4.



To catch the eye . . .

Dignified, distinctive, modern as the minute . . . the packs and containers of these beauty preparations have been specially re-designed for "feminine appeal." The colour-schemes are green-and-grey for 'Hazeline' Cream, blue-and-grey for 'Hazeline Snow,' while the handy new tubes of 'Wellcome' Toilet Lanoline look extremely smart in sage-and-cream. In addition, there are striking new showcards and display outers for the three products. They'll make an attractive addition to your Christmas and New Year's display. Retail prices of 'Hazeline' Cream and 'Hazeline Snow' remain at 1/9, plus 1/4 tax, per jar; the new tubes of 'Wellcome' Toilet Lanoline (1 oz.) retail at 1/6, plus 1/12 tax.

'B. W. & CO.'

Toilet Preparations



now in smart new backs

# WARRICK BROS., LTD.,

# **CAPSULES**

Vitamins A & D. (Halibut Etc.) Tonic, Cold Cure, Cascara.

# LOZENGES

Alkaline Co. B.P.C. Bismuth B.P. Etc.

# **PASTILLES**

Many Attractive Formulæ

# Pile Ointments & Suppositories

All enquiries solicited

By POST or PHONE CLE 2452

6, NILE STREET, LONDON, N.1.

# CHEMIST AND DRUGGIST for RETAILER—WHOLESALER—MANUFACTURER

NOVEMBER 20, 1948

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

Single copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

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# NEWS OF THE WEEK

International Pharmacopæia in 1949.

—The World Health Organisation's expert committee on the unification of pharmacopæias has reported that its work is so far advanced that the Organisation will be able to publish the first International Pharmacopæia in 1949. It will be published in French, English, and Spanish.

Imports from Faroe Islands. — The Faroe islands have rejoined the Danish monetary area, after being in the sterling area since 1941, and are no longer included in the list of scheduled territories (sterling area) which are set out in the Board of Trade Notice to Importers No. 292, paragraph 5.

New Doctors' Organisation.—At a meeting of more than 600 doctors held in London on November 13, a new organisation of doctors, the Fellowship for Freedom in Medicine, was formed with Lord Horder as its first chairman. The organisation is designed "to do everything in its power to render the highest standards of medicine possible in the future," and is

"not opposed to any other existing medical organisation." One of the first tasks of the executive committee of the Fellowship is to examine any anomalies that have arisen in medical practice as a result of the National Health Service Act.

Edible Gelatin in Foods.—The Minister of Food has made the Edible Gelatin Order, 1948, which comes into force on November 22. The order permits the use of edible gelatin in all types of foods. Licences continue to be required for the manufacture of food products containing gelatin and for the prepacking of edible gelatin.

Chemists Federation.—At a meeting of the Chemists Federation Council held on November 4, the president in the chair, it was reported that the C.F. window display scheme was now operating successfully in London and Birmingham, and in Middlesex, Surrey, Staffordshire, Warwickshire, Worcestershire and Herefordshire. It would be extended to Cheshire and Lancashire in the near future. Western Pharmaceuticals, Ltd., 42 Dongola Road, Bristol,

7, were accepted as wholesaler members and the resignation of Burge, Warren & Ridgley, Ltd., 45 City Road, London, E.C.1, from wholesaler membership was accepted. Manston Medical Products, Ltd., 59 Mosley Street, Manchester, 2 (product, Ipsolon) were accepted for manufacturer membership. The following addition to the schedule of a C.F. agreement was approved:—Wigglesworth, Ltd. (Benzac inhaler).

Research and Productivity.—Mr. Herbert Morrison (Lord President of the Council), the Minister responsible to Parliament for the Department of Scientific and Industrial Research, addressed a meeting of representatives of industrial research associations in London recently on the significance of research in increasing productivity. In the course of his speech he referred to new time-saving techniques, including drying by infra-red rays.

Detonation of Ammonium Nitrate.—Results of an experiment carried out by a Home Office working party on the island of Dune, Heligoland, to ascertain whether pure ammonium nitrate when stored in bulk and subjected to intense and prolonged heat would detonate, show that under the conditions of the experiment there was no evidence of detonation or explosion. Three trials were carried out, one in a bunker, and two in barges, involving a total of 240 tons of nitrate.

Executive Councils' Association. — A report of a meeting of the provisional committee of the Executive Councils' Association (England) held in London on October 6 and 8, and of the first annual meeting of the Association held on October 7 and 8, has recently been issued. The provisional committee considered a letter from the Leicester Executive Council urging that doctors should be issued with prescription forms (E.C.10) in duplicate, so that a doctor continuing treatment initiated by another doctor would be fully aware of what had previously been prescribed. The committee expressed sympathy with the proposal but, in view of the paper shortage, agreed that it could not recommend the issue of duplicate prescriptions at present. At the annual meeting, the following officers were elected:—President, Mr. H. Lesser, O.B.E., LL.B.; Vice-president, Dr. Noel E. Waterfield; Treasurer, Mr. H. W. Townley, O.B.E.; Secretary, Mr. Jos. A. Speed, O.B.E., 42 West Cliff, Preston.

N.H.S. "Not Overloaded."—Mr. John Edwards (Parliamentary Secretary, Ministry of Health), opening the Public Health

and Municipal Engineering Congress and Exhibition in London on November 15 denied a suggestion that the Nationa Health Service was overloaded and i danger of breakdown. Despite the size of the administrative effort required to brin the service into being, he said, the tota Ministry of Health staff involved was littl more than 800, including every clerk an typist. There were now co-operating in th service in England and Wales 18,165 doc tors (out of 21,000), 8,519 dentists (out of 10,000), 5,000 ophthalmic opticians and dis pensing opticians and 14,000 chemist There were more than four million peopl on the doctors' lists. Although the exhib tion, the first of the series to be held since the war, was devoted mainly to equipmer used in large-scale municipal engineering manufacturers were showing insecticide detergents, disinfectants and products use in the purification of drinking water. The included Aerosols, Ltd., Albright & Wilson Ltd., Imperial Chemical Industries, Ltd. Jeyes Sanitary Compounds Co., Ltd., She Chemicals, Ltd., Shepherd's Aerosols, Ltd.

Restrictions Lifted .- Under the Ra Materials (Various Controls) (Revocation Order, 1948 (S.I., 1948, No. 2458), which comes into effect on November 22, th following orders are revoked:—The Control of Cork (No. 1) Order, 1942 (S.R. O., 1942, No. 193); the Control of Derr (No. 1) Order, 1942 (S.R. & O., 1942 No. 51) and the Control of Derris (No. 51) Order, 1943 (S.R. & O., 1943, No. 31) (under which the acquisition, disposal an treatment of derris root was made subject to licence); the Control of Drying Oi (No. 1) Order, 1942 (S.R. & O., 194 No. 484) (under which the acquisition, di posal and use of tung oil, oititica oil, sti lingia oil and any drying oil made from castor oil was made subject to licence); th Control of Glue, Gelatin and Size (No. Order, 1946 (S.R. & O., 1946, No. 97 (under which the acquisition, supply an use of glue, gelatin and size above certai quantities was made subject to licence and the Control of Natural Resins (No. Order, 1942, (S.R. & O., 1942, No. 125) and the Control of Natural Resins (No. Order, 1946 (S.R. & O., 1946, No. 145 (under which the acquisition, disposal an use of manilla and gum manilla was mac subject to licence). The trade association concerned have given voluntary undertal ings that, so far as necessary, priority a supply of cork, glue, gelatin will be give to the more essential needs and to export

### LOCAL NEWS

Liverpool Golf Society. — Liverpool Pharmacists' Golfing Society is to be revived, with Mr. C. S. Cullen, 74 Priory Road, Liverpool, 4, as secretary.

Reigate and Redhill Dinner. — At the annual dinner of the Reigate and Redhill Pharmacists' Association, held at Coulsdon ecently, Mr. H. Hocken (a former president of the Association) presented a clock o Mr. G. S. Powell (president) in recognition of many years service to the Association. The guests included Messrs, W. S. Howells (treasurer, Pharmaceutical Society), and F. C. Wilson (a member of the Society's Council) and Messrs D. Hudson and Arch. Wilson (Brighton and Hove Asociation of Pharmacy).

Thames Valley "Brains Trust."—In m "Any Questions?" session held by the Thames Valley Pharmacists' Association at Kingston on October 21, the "brains rust" consisted of Messrs. F. C. Wilson a member of the Pharmaceutical Society's Louncil and secretary, Surrey Pharmaceutical Committee), R. H. Kemp (local oranisations officer, National Pharmaceutical Union) and G. Dilley (editorial staff, The Chemist and Druggist). Discussion entred on payment for National Health Service dispensing and arrangements for he supply of surgical appliances on N.H.S. rescriptions.

Lectures on Chemotherapy Developments.—At a meeting of the Southampton branch of the Pharmaceutical Society on Invember 1, Mr. D. G. Ardley (Pharmaceutical Specialities (May & Baker), Ltd.) poke on recent developments in chemotherapy. A vote of thanks was proposed by Mr. W. E. Bassil and seconded by Mr. W. lox. Mr. Ardley also gave his lecture to a joint meeting of the Manchester Branch of the National Association of Vomen Pharmacists, the Manchester Pharmaceutical Association and the Manchester Branch of the Pharmaceutical Society held in November 11.

Forfar Lecture on B.P. — More than orty members of the Dundee and East and lentral Scottish Branch of the Pharmaceucal Society attended a meeting held at orfar on November 10, Mr. J. Mitchell, lerth, in the chair. A lecture on the ritish Pharmacopæia, 1948, was given by Ir. H. A. Perkin, B.Pharm., Ph.C., (head f pharmacy department, Dundee Technial College). Mr. Perkin said the B.P. was hore than a collection of monographs on

drugs in common use: it was a record of progress and a recommendation to use the drugs and preparations included. Mr. Perkin showed by a table (see below), the num-

Subject of Monograph	1885	1898	1914	1932 (including Addenda)	1948
Crude drugs	141	170	141	83	68
Tinctures	72	67	71	34	28
General					
galenicals	460	419	447	262	210
Injections	2	4	6	12	75
Synthetic drugs	6	13	20	96	130
Pills	21	20	18	7	5
Tablets		I	I	33	49
_					

bers of monographs on various types of preparations in successive British Pharmacopœias.

New Formulary and Other Topics .-Addressing the Durham County Branch of the Pharmaceutical Society on November 4, Mr. T. Heseltine (a member of the Society's Council and of the National Pharmaceutical Union Executive) said he hoped that there would be two or three months between the publication of the new N.H.S. Formulary (expected early in 1949) and the date on which it would become official. While the Society still had a voice in the control of the School of Pharmacy, London University, the school's new constitution meant that the Society would have less of a financial burden. After appealing for support for the Birdsgrove House Fund and the Benevolent Fund, Mr. Heseltine gave a review of the first three months' working of the National Health Service (see C. & D., November 6, p. 603).



PUBLIC PHARMACISTS AT FACTORY.—Members of the London Branch, Guild of Public Pharmacists, photographed during a visit to the works of Ciba, Ltd., Horsham, Sussex, on November 4.

### IRISH NEWS

Eire Chemists' Football.—The Eire Chemists' Rugby Football Club's fixture list is now completely full until Christmas and many matches have been booked for the new year. There has been a good attendance at the Sunday morning matches played so far.

Presentation to N.S.W. Prime Minister. -At a reception held in Dublin on November 10, Mr. James McGirr (Prime Minister of New South Wales) was presented with a luncheon set made of Limerick lace, for Mrs. McGirr, by Mr. Philip A. Brady (president, Pharmaceutical Society of Ireland) who was accompanied by members of the The gift was described as a tri-Council. bute to a distinguished Australian of Irish stock, who had himself been a practising pharmacist in New South Wales before entering upon a political career. Mr. McGirr said he was taken completely by surprise by the presentation; he regarded the tribute from Irish pharmacists as one of the happiest features of his visit to Ireland. After the presentation, Mr. McGirr spent almost an hour discussing with Mr. Brady and his colleagues pharmaceutical trends in Australia and Eire.

Ulster Associates' Annual Meeting .-The fifth annual meeting of the Associates' Section of the Ulster Chemists' Association was held in Belfast on October 28. Mr. J. G. McGovern, Ph.C. (retiring chairman), said the introduction of the National Health Service had altered the everyday work of most associates, who now found that most of their time was spent in dispensing, the job for which they had been Pharmacy as a profession was coming into its own and the extra dispensing would, in the long run, better their The question of unemployment benefit for students was still under consideration. Because of new legislation coming into effect with National Insurance, certain students' claims for benefit had been rejected, but every endeavour was being made to obtain the payments for them. The social subcommittee had organised several successful functions during the year. Mr. T. H. Hamilton, Ph.C. (secretary, Londonderry group), reported satisfactory progress but, he said, the mid-Ulster group in Portadown had ceased to exist as such, although membership in the area was still strong. Miss C. E. Culbert (chairman elect) and Miss A. E. Strachan (secretary of the Association) each expressed the wish that good relations might continue between employers and employees. The annual report and the statement of accounts were adopted. The following were re-elected to the *Committee:* Miss M. Meneely, Ph.C., and Messrs. A. McWhinney, Ph.C., E. B. Williamson, Ph.C., E. Mackle and N. McGivern. Messrs. W. Dinsmore, Ph.C., and G. C. Willman were elected to fill vacancies as pharmaceutica chemists' and students' representatives, respectively.

### **OVERSEAS NEWS**

Iceland Herring Oil Industry.—Unde the American European Recovery Pro gramme \$900,000 has been allocated fo buying machinery for the production o herring oil and meal in Iceland.

Orris Root Production in Italy.—Cur rent output of orris root in Italy, chieff from Tuscany, is in the region of 800 ton yearly. Prior to the war, about 700 ton was exported each year, but exports fell t 380 tons in 1947.

Drive Against Tuberculosis. — A cam paign against tuberculosis, to includ the widespread administration of B.C.G vaccine to children, is being undertake by the World Health Organisation and th United Nations International Children' Emergency Fund in Czechoslovakia, Jugo Slavia, Poland, Hungary, Finland, othe European countries, China and India. Th plan is later to be extended to Nort Africa.

South African Fluoride Investigation.—
The effect of the regular use of a sodium fluoride dental paint on dental decay is children is to be studied for a period of twelve months on a group of children is Johannesburg. Only one side of the mout is to be treated and the state of the teet on that side will be compared with that on the opposite side at the end of the period.

U.S. Export Quotas.—The U.S. Offic of International Trade has announced export quotas for the fourth quarter of 194 covering certain commodities for which there are specific quantitative limitations. They include: Cinchona bark, 50,000 lb. phenol, 7,500,000 lb.; cresylic acid and cresols, 900,000 lb.; quinine sulphate, and quinine hydrochloride, in bulk form only 500,000 lb.; quinidine sulphate, 100 oz. (reserved for special projects); bismuth carbonate, bismuth subgallate, sodium bismuthate, bismuth subnitrate, bismuth sali cylate, 120,000 lb. (bismuth content).

# TOPICAL REFLECTIONS

N.H.S. Prescription Pricing

The illustrated article on the work of the N.H.S. South-eastern Pricing Office (pp. 632-35) is timely as well as informative. It sent my thoughts back to a description of the same office in your Special Issue of June 25, 1927. One comparison will show how much the work has been increased by the advent of the National Health Service. In 1926 five million prescriptions (in round figures) were priced in Clapham; the total number for the first N.H.S. year is estimated at "not less than twenty millions." Since that office was opened, Mrs. Irvine has directed its work with continuing success, and recently she has served with distinction as president of the Pharmaceutical Society of Great Britain. Her many friends hope that her health will soon be fully restored. No one can read the article on pp. 632-35 without realising that this Pricing Office has been set an impos-sible task. To some extent the fact simplifies the work of the Conference called for November 24 (p. 639): no time is likely to be wasted on criticising an expert system of dealing with directives issued by a higher authority. The decisions to be taken by the Conference are, as you point out, very important. In describing your account of the work of the Clapham Pricing Office as timely, I was thinking of its application to chemist-contractors. is the responsibility of seeing that copies of the two forms mentioned are duly filled in and enclosed with prescriptions sent for pricing.

### Questions and Answers

Reports of meetings like that on pp. 642-43 are sure of attentive reading on my part, especially in respect of questions and answers. Any meeting addressed by Mr. H. N. Linstead is likely to bring forth something worth thinking over; and it is evident that on the occasion reported his audience included members who had come armed with problems. The most important question, in my view, was the one about repeating N.H.S. prescriptions and allowing patients to pay for them. It seems to me that two points need decision. The first point is the consent of prescribers. This should be obtained in advance: failing such consent, a charge of unprofessional conduct might be brought before the Statutory Committee of the Pharmaceutical Society. The second point is the price to be charged. A patient might argue that the

correct price is that arrived at by the Pricing Office—that a chemist has no claim to a higher price merely because a private customer is paying. A chemist might claim that he could not afford to dispense private prescriptions at contract prices, and that a customer should in any case be willing to pay for the accommodation of special service. The prospective introduction of a new formulary appears not to have suggested a query at the South-west London meeting. I fear that the Ministry of Health has missed the tide (or the bus) by postponing publication till "early in 1949." Prescribers dislike changing their habits: consequently the book would, I believe have stood a much better chance of general acceptance by the medical profession if it had come into force last July.

### Another Alleged Racket

Not having seen the "Lancet" correspondence referred to in the editorial com-ment on p. 638. I am not in a position to add - if, indeed, any addition was desirable—to your judicious conclusions. But I may remark that strictures on pharmacists and their apothecary-predecessors have been frequent for many centuries past. A case in point may be found in the Dictionarius of John Garland (?1180-1252), a voluminous writer, the D.N.B. states, on alchemy, poetry, mathematics, grammar and music. A translation of this dictionary by Thomas Wright appeared in 1857. The original consists of words and phrases deemed necessary for scholars. Only two paragraphs in it are allotted to apothecaries; and in the first of these the author alleges adulteration. Apothecaries, he states, mix, "causa lucri," confections with electuaries [then distinct forms], roots with herbs, zedoary with ginger, pepper with cumin, clove with canella, anise with fennel, sugar with liquorice. In the second paragraph Garland professes to enumerate the contents of an apothecary's shop. According to him they are preserved ginger [suited to cold complexions]; diapedion [a restorative remedy]; diaprunis; diadragantum [?tragacanth]; eleborum [a laxative, probably white hellebore]. meagre a stock might have been found by Romeo when he went to an apothecary to buy poison for suicide: it is unlikely to have been the normal content of an apotheca at a date when Arabic writings had spread to Europe, even if allowance is made for a time-lag for the spread of medical knowledge to northern latitudes. Xrayser

### COMPANY NEWS

WHITTAKERS (DISINFECTANTS), LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing, wholesale or retail chemists, druggists, etc. William Whittaker and David Casselson, directors. R.O.: 141 Vauxhall Road, Liverpool, 3.

EM-ESS (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, etc. Cyril M. Jones, Samuel Rivilis and Mariam Rivilis, directors. R.O.: 106 London Road, Liverpool, 3.

PHILLIPS PHARMACIES, LTD. (P.C.).—Capital \$4,000. To acquire the business of chemists carried on at 113 Great Russell Street, London, W.C.2. Robert Wallace, M.P.S., David B. L. Davies, M.P.S., and Allan S. Wallace, directors.

REYNOLDS AND BROCK, LTD .- (P.C.) .- Capital £3,000. To carry on the business of pharmaceutical and general chemists, etc. Harry Reynolds, M.P.S., and Edwin W. Brock, M.P.S., directors. R.O.: 6 Selden Parade, Durrington, Worthing.

A. G. LEEDALE, LTD. (P.C.).—Capital £5,000. To carry on the business of pharmaceutical and general chemists, drug merchants, etc. Albert G. Leedale, M.P.S., director. R.O.: 123 Gordon Road, Ilford.

Dixon's Surgical Instruments, Ltd. (P.C.) .-Capital £1,000. To acquire the business of surgical instrument makers carried on by Dixon & Co., at 290 Caledonian Road, London, N.1. Francis W. Dixon, George Daws and Thomas Baxter, directors.

BERTRAM MAY, LTD. (P.C.).-Capital £100. To adopt an agreement with Bertram May, and to carry on the business of sellers, exporters and importers of cosmetics, perfumes and other goods. Bertram May and John J. Turnbull, directors. R.O.: 36 New Broad Street, London, E.C.2.

LABORATORY EQUIPMENT (LONDON), LTD., (P.C.). -Capital £3,000. To carry on the business of manufacturers of and dealers in hospital and laboratory equipment, instruments and apparatus, glassware, etc. First directors are to be appointed. Solicitors: Herbert Oppenheimer & Co., 20 Copthall Avenue, London, E.C.2.

P. B. Cow & Co., Ltd.-The interim dividend is maintained at 12½ per cent.

BEECHAM GROUP, LTD .- A second interim dividend on deferred shares is maintained at 81 per cent.

EVANS MEDICAL SUPPLIES, LTD.—An interim dividend has been declared of 3 per cent., less tax, on the ordinary and cumulative participating preference stocks.

JOHN DALE, LTD.—The subscription lists for an issue of 150,000 6 per cent. cumulative preference shares of £1 each at 24s. per share, and 300,000 ordinary shares of 5s. each at 12s. 6d. per share, will open and close on November 23.

BRITISH SCHERING, LTD.—Mr. E. R. C. Edyvean, B.Pharm., Ph.C., who has been joint managing director with Mr. A. W. Edwards of the group, has become sole managing director, following the retirement of Mr. Edwards from executive association with the group, Mr. Edwards has been appointed director of the marketing company.

### LEGAL REPORTS

Fine for Duty Evasion.—At Belfast, on November 5, Malachy Mooney, Ph.C., 2 Antrim Road, Belfast, was fined £40 for evasion of duty and tax on 285 lipsticks.

N.I. Pharmacy Act Fine.—At Bangor, co. Down, petty sessions, on November 10, Cecil Greenwood, 54 High Street, Bangor, was charged with using terms in connection with his business that were calculated to suggest he was a qualified chemist. resident magistrate said it was Greenwood's first offence, although he had been warned. He imposed a fine of 20s., with £3 2s. costs.

Failure to Enter in Register .- A medical practitioner, Leslie Arthur Willmott, 15 Baskerville Road, Wandsworth Common, London, was fined 40s, on each of three summons at Marylebone court, on November 10. The charges were of failing to enter in a register particulars of 280 4-gr. tablets of morphine, forty tablets of morphine, gr. 1/4, and atropine, obtained by him from John Bell & Croyden, chemists, Wigmore Street, London, W.I. Dr. Willmott said that he used the drug as a stimulant when he was overworked. He was not an addict.

Damages Claim Fails.—In the King's Bench Division, London, on November 12, Pete Evon and his daughter, Rosie, stated to be of a Romany family who travelled in the show business, claimed damages from Mr. W. D. Noble, described as a chemist, Eastern Esplanade, Southend-on-Sea, on the ground that the little girl had virtually lost the sight of one eye. Plaintiff's case was that, when they were living in rooms near a yard behind the premises of Mr. Noble, the latter had negligently left the glass acid container where the child could play with it. The defence was that the carboy was in a store shed which the Evons were not entitled to enter, and that the mother of the child had been repeatedly warned of the danger of allowing her child to trespass in the shed. It was stated that the girl was found on the ground near a carboy of acid with liquid over her face. She was treated with olive oil in the shop and taken to hospital. Giving judgment for Mr. Noble, with costs, the judge said he had come to the conclusion that Mr. Noble was a generous-hearted, upright man who would be very careful about the welfare of little children; he found difficulty in accepting the evidence of Mrs. Evon. His lordship found there was no lack of care on Mr. Noble's part.

### MARRIAGE

TEDDERS-DUNNE.—In Dublin, Eire, recently, Patrick Raymond Tedders, M.P.S.I., Kinnegad, co. Westmeath, to Ann Carmel Dunne, Killucan, co. Westmeath.

### **DEATHS**

BOULTON.—On October 27, Mr. R. G. Boulton, a representative in London of Robert Gibson & Sons, Ltd., Carlton Works, Hulme, Manchester. Mr. Boulton had been thirty-two years with the com-

pany.

Deck. — On November 5, Mr. Arthur Albert Deck, 3 Fulbrooke Road, Cambridge. Mr. Deck qualified as a chemist and druggist in 1884. He would have been eighty-eight on November 29. Mr. Deck was educated at Cranleigh and served his apprenticeship to Young & Postan, Baker Street, London. After serving as assistant at Squire & Sons, Oxford Street, London, he became manager to Alsop & Quiller, Sloane Street, in 1887, and later manager at J. T. Davenport, Great Russell Street. Mr. Deck succeeded to his father's business at 9 King's Parade, Cambridge, in 1903, and retired in 1929. He was one of the founders of the Cambridge Pharmaceutical Association, and was local secretary of the British Pharmaceutical Conference, Cambridge, 1910.

Durno.—On October 28, Mr. Duncan Mearns Durno, M.P.S., 122 Westbourne Grove, Westcliff-on-Sea, Essex, aged sixty-

seven.

HOLDEN.—At the Royal Infirmary, Preston, Lancs, on October 9, Mr. Edward Henry Holden, M.P.S., Oaklea, High Street, Longridge, Preston, aged seventy. Mr. Holden qualified in 1907.

ROBERTS.—On October 29, Mr. Walter Roberts, M.P.S., 8 Poplar Grove, Stock-

port, Lancs, aged seventy-nine.

SHERWIN.—On October 23, Mr. John Arthur Sherwin, M.P.S., 18 Bishopthorpe Road, York, aged sixty-three.

WARDROPPER.—On August 12, Mr. Harry Wardropper, M.P.S. Mr. Wardrop-

per qualified in 1920.

Warne.—On October 29, Mr. Herbert Llewellyn Warne, M.P.S., 28 High Street, Ventnor, Isle of Wight, aged sixty-seven. Mr. Warne was in business at Ventnor intil his retirement in 1946. He was for wenty years a member of the local urban district council, and was elected chairman of the council in March this year. He was

the senior deacon and treasurer of the Congregational Church and a prominent member of the Yarborough Lodge of Freemasons, gaining provincial honours and national honours when he was invested as a sword-bearer of the Grand Locge of England in August. He was a toast-master of the Yarborough Lodge and for many years its director of ceremonies. At his funeral, the Isle of Wight Branch of the Pharmaceutical Society was represented by Messrs. F. H. Burgess (chairman) and M. F. Thatcher (secretary).

WISDOM.—At his home, 19 Chepstow Villas, Notting Hill, London, W.11, on November 11, Mr. William John Wis-

November 11, Mr. William John Wisdom, for many years a member of the staff of Glaxo Laboratories, Ltd., Greenford, Middlesex. Mr. Wisdom was educated at Alleyns School,



Dulwich, and at the London School of Economics, where he graduated B.Com. (Hons.). After a period with the British Chamber of Commerce, Paris, he joined Messrs. Glaxo as a trainee on the sales staff. He soon rose to a position of responsibility, and in 1946 was appointed personal assistant and confidential statistician to the managing director. Mr. Wisdom is survived by his widow and young son. The funeral took place at West Norwood Crematorium on November 17.

### **PERSONALITIES**

MR. PHILIP LE QUESNE, M.P.S., 45 Halket Place, St. Helier, Jersey, Channel Isles, has been elected one of the twelve Senators in the newly constituted States, or parliament, of the Isles (in office in 1949). Mr. Le Quesne has served since the end of the 1939-45 war as a People's Deputy.

The following persons have been appointed to the World Health Organisation's expert committee on the unification of pharmacopœias (see also p. 653): DR C. H. HAMPSHIRE (secretary, British Pharmacopœia Commission), (Chairman), PROFESSOR H. BAGGESGAARD - RASMUSSEN (Denmark), PROFESSOR I. R. FAHMY (secretary of the Pharmaceutical Society of Egypt), DR. E. FULLERTON-COOK (United States), PROFESSOR R. HAZARD (France), DR. D. VAN OS (Netherlands), and DR. H. FLUCK (Switzerland).

### **COMING EVENTS**

### Monday, November 22

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND, 73 University Street, Belfast, at 8 p.m. Mr. W. J. Rankin, M.P.S., A.R.P.S., on "Pictorial Photo-graphy of Interest to the Pharmacist."

### Tuesday, November 23

BRANCH, PHARMACEUTICAL SOCIETY, DONCASTER Darwin Hotel, Doncaster, at 7.30 p.m. Mr. Peter Jones, M.P.S., on "The Development of Pharmaceutical Preparations."

SLOUGH BRANCH, PHARMACEUTICAL SOCIETY, Community Centre, Slough, at 7.30 p.m. Film show. SOUTH-EAST LONDON CHEMISTS' ASSOCIATION, Grove Tavern, 26 Camberwell Grove, London, S.E.5, at 7.30 p.m. Medical film show.

Institute of Chemists-Opticians, Lecture Hall, Royal Society of Arts, John Adam Street, London, W.C.2, at 7,30. Dr. J. Ross-Mansell on "Recent Advances in Ophthalmology."

NORTH LONDON PHARMACEUTICAL ASSOCIATION, North Finchley Library Hall, Ravensdale Avenue, London, N.12, at 7.45 p.m. Mr. J. Soulsby, Ph.C., on "Ointments and Emulgents."

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.I, at 7.30 p.m. "Bring and Buy Sale" and Christmas fair.

### Wednesday, November 24

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.2, at 8 p.m. Professor W. H. Linnell, M.Sc., Ph.D., D.Sc., on "Chemical Substances of the B.P., 1948."

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Botanical Gardens, Edgbaston, 8 p.m.-1 a.m. Dance

(tickets 7s. 6d. each).

EXETER BRANCH, PHARMACEUTICAL SOCIETY, Imperial Hotel, Barnstaple, at 7.30 p.m. Mrs. R. Denston, B.Pharm., Ph.C., on "Research in Relation to Chemical Products."

SHEFFIELD BRANCHES, PHARMACEUTICAL SOCIETY and NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Photographic Society's Premises, Midland Bank Chambers, Charles Street, Sheffield, at 8 p.m. Mr. H. Crowther Cox on "Church Architecture" (illustrated), and discussion on resolutions

for Branch Representative's meeting,

### Thursday, November 25

THAMES VALLEY PHARMACISTS' ASSOCIATION, Kingston Hotel, Kingston-on-Thames, at 7.45 p.m. Mr. Arthur Mortimer, O.B.E., M.P.S., on " Selling Is Your Job."

Newcastle and Northumberland Branch, Phar-maceutical Society, Crown Hotel, Clayton Street, Newcastle, at 7.30 p.m. Mr. F. W. Adams (deputy secretary of the Society) on "De-velopments in the Society's Policy and Activities."

ESTERN [LONDON] PHARMACISTS' ASSOCIATION, Slaters' Restaurant, 18 Kensington High Street, London, W.8, 7-11 p.m. Dance (informal dress; tickets 7s. 6d. each from Mr. Clifford Evans, 135 Ladbroke Grove, London, W.11. WESTERN

MANCHESTER PHARMACEUTICAL ASSOCIATION and MANCHESTER BRANCH, GUILD OF PUBLIC PHARMACISTS, Lecture Theatre, St. Mary's Hospital, Manchester, at 7.45 p.m. Film: "Operative Procedure under Anæsthesia."

### Friday, November 26

FINE CHEMICALS GROUP, SOCIETY OF CHEMICAL IN-DUSTRY, London School of Hygiene and Tropical Medicire, at 7 p.m. Dr. F. Bergel on "Aspects of the Relationship between Chemical Constitu-tion and Physiological Activity."

## C. & D. DISPENSING PRICE LIST

THE following price changes, which occurred during October, should be noted:-

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Co	st	Due allowance has	Dispensing price			
		been made for	price			
-		purchase tax, if any,			- 1	
		at current rates	4 oz.	I OZ.	1 d	
d.	per		s. d.	s. d.	S. 0	<i>d</i> .
36	lb.	Adeps benzoina-				
- 1		tus 1 lb 4s.6d.	I 4	0 5	_	- 1
9	oz.	Anthemidis flores	1			
9		exot		1 4	0	$2\frac{1}{2}$
138	lb.	Balsamum Peruv-		1 4		- 2
130	10.		- 0	1 8		_
		ianum	5 8		0	3
20	oz.	Calcii acetylsal.	-	2 11	0	5
78	oz.	Carminum	-	114	I	10
36	oz.	Chloral formami-				
-		dum	_	_	0	10
63	lb.	Confect. sulph	2 4	o 8		-
30	oz.	Ext. anthemidis,	_ T			
30	O.L.	B.P.C.		1 =	0	8
				4 5	0	·
22	oz.	Ext. anthemidis			_	C
		liq., B.P.C	-	3 3	0	6
120	lb.	Ext. ergotæ liq.				
		S.I. (5)	4 2	I 2	0	2
132	lb.	Ext. ergotæ liq.,	-			
		B.P. 1914.				
	8	S.I. (5)	4 9	I 4	0	$2\frac{1}{2}$
10	oz.	Ext. papaveris	4 9	- T		- 2
10	UZ.	liq. P.I. (9)		1 6	o	0
60	116					3
60	lb.	Ext. sennæ liq	2 4	0 0	0	2
12	oz.	Liq. adren.				
		hydrochlor.,				
		B.P. P.I. (13)		1 9	0	3
18	lb.	Lotio. calaminæ,				
		B.P. 16 fl. oz.				
		3s.od.	O II	0 3	_	
120	lb.	Ol. amygdalæ	4 3	I 2	0	2
24	oz.	Ol. betulæ	4 3	3 6		61
36	oz.	Ol. crotonis		3 _	0	
				1 6		9
10	OZ.	Ol. juniperi ligni	_	1 6	0	3
45	lb.	Ol. olivæ		_		
		16 fl. oz. 6s. od.	1 9		_	
34	oz.	Ol. pini sylvest		5 0	0	9
12	oz.	Pigmentum		1		
		iodoformi co	1	1 9	0	3
90	oz.	Piperazina			2	2
42	lb.	Sal. carol. fact.				
4-	10.	effervesc	ı 6	0 5		
. 0	077	Sulphacetami-	1 0	0 5		
48	oz.		i		_	_
		dum R only	_	7 0	I	0
54	oz.	Sulphacetamid.				
		sodium R only			I	3
42	lb.	Syr. pini alb. co.				1
		B.P.C.	2 0	0 7		
102	oz.	Theophyllina			2	5
60	lb.	Ung. zinci. oleat.	2 2	o 8	0	2
	•1	3				_

# THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

DR. SANTO JEGER asked the Minister of Food on November 8 if he would consider extending the provision of orange juice and cod-liver oil to children after they attained the age of five years. MR. JOHN STRACHEY replied that a substantial part of the orange juice required to meet even present commitments cost dollars, and he was afraid he could not extend the class of beneficiaries. Cod-liver oil could be obtained by anyone through ordinary retail channels.

MR. E. A. BRAMALL asked whether Mr. Strachey would consider the possibility of once again getting orange juice from Palestine, and MR. STRACHEY replied "We are getting all the citrus products that we can

from Palestine.

### Linsced Purchase

MR. STRACHEY told MR. R. H. TURTON on November 8 that he had just bought 20,000 tons of linseed from Uruguay, with a possibility of a further 10,000 tons. Shipment was to be made before the end of the year.

### Limitation of Expenditure on Advertising

MR. S. SHEPHARD asked the Chancellor of the Exchequer on November 9 if he intended to continue the voluntary limitation on advertising expenditure after the expiration of the period originally fixed. "I am considering the future of this scheme in consultation with the Federation of British Industries," replied Sir Stafford Cripps. He added that he hoped to come to an early decision.

### N.H.S. Payments to Scottish Chemists

Mr. Henderson Stewart asked the Secretary for Scotland on November 9 if he was aware that chemists in East Fife had received no payments in excess of the standard 2s. 6d. per prescription since the Health Service was introduced in July, and that, in consequence of the delay and the large number of expensive prescriptions demanded in recent months, large debts were being incurred by chemists. What action did he propose to take to ensure regular and full payments?

MR. ARTHUR WOODBURN: It is the case that, owing to the heavy additional burden of work falling on the trained staff of the central checking bureau, final payments to chemists have been delayed. Interim payments at the rate of 2s. 6d. per prescription

form have been made, and I have received no representations from the chemists' organisations that this payment is causing hardship. I am, however, reconsidering the position in the light of the calculations made on the prescriptions that have been priced up to the present time.

Further asked by Mr. Henderson Stewart if, in order to simplify the returns of chemists, he would provide duplicate prescription books similar to the old National Health Insurance forms, Mr. Woodburn replied that to provide duplicate forms would require an estimated additional 25 to 30 tons of paper yearly, and he was not satisfied that, in present circumstances, any commensurate advantage was likely to result from doing so. He would be prepared to reconsider the question when the shortage was less acute.

### Official Pamphlet on N.H.S.

SIR WAVELL WAKEFIELD asked the Minister of Health on November 11 if, in view of his refusal to permit private patients to obtain pharmaceutical services free of charge, he would withdraw the pamphlet "The New National Health Service" in which it was stated that any person could use the whole or any part of the service. "In view of that misleading statement," would the Minister issue a new pamphlet giving a factual statement of what people were entitled to receive?

MR. ANEURIN BEVAN: No. People are perfectly free to use any part of the service, but there must be a limit to the extent to which parts can be subdivided. I should not feel justified in supplying medicines or appliances ordered by doctors not taking part in the service and under

no obligation to observe its rules.

### Sodium Chlorate Exports

MR. M. L. ASTOR asked the President of the Board of Trade on November 11 what quantity of sodium chlorate had been exported from Britain in the past twelve months, and how much had been imported during the period.

MR. HAROLD WILSON: Between October 1947 and September 1948, exports of sodium chlorate totalled nine tons, and imports 291 tons. The Government, he went on, had no control over export licences for sodium chlorate and, in view of the small amount exported, he would not feel justified in imposing controls.

# TRADE NOTES

National Advertising.—John A. Fransen, Ltd., Northwood Hill, Middlesex, give details on another page of Press advertisements to appear in the pre-Christmas season for the Rabaldo electric dry shaver.



Gift Pack.—Graham Farish, Ltd., 153 Mason's Hill, Bromley, Kent, are issuing a transparent-wrapped pack of Snap fruit-bottling closures complete with Christmas label bearing the words "Here's

wishing you a fruitful year" and design of holly leaves.

Barium Chloride Supplies.—Laporte Chemicals, Ltd., Luton, Beds, announce that supplies of barium chloride from British native material will be available during December.

Tube-filling Unit. — Universal Metal Products, Ltd., Salford, 6, Lancs, illustrate on another page their U.M.P. collapsible tube-filling unit (filling, cleansing and crimping machines).

Babies' Scalp Lotion.—Bonus terms are offered in this issue upon orders for Babeglo babies' scalp lotion, manufactured by Babeglo Products, 426 Watford Way, London, N.W.7.

Smaller Size Introduced.—A. Wander, Ltd., 42 Upper Grosvenor Street, Grosvenor Square, London, W.I, have issued a new, smaller-sized pack of Alasil tablets, and a new carton pack for handbag or pocket.

Sole Distributors.—Stemco, Ltd., 128 Albert Street, London, London, N.W.1, are sole distributors for Nuzora hair dressing, a product of the Anzora Perfumery Co., Ltd., Dalston Gardens, Stanmore, Middlessex.

Change of Ampoule Quantity.—J. F. Macfarlan & Co., 109 Abbeyhill, Edinburgh, and 8 Elstree Way, Boreham Wood, Herts, announce that, to avoid confusion in dosage, all ampoules of Opoidine solutions supplied from December 1 will contain 1 c.c. of solution instead of 1.1 c.c. as previously.

Inhaler for Analgesic.—Cyprane, Ltd., Oxenhope, Keighley, Yorks, offer in their

Cyprane inhaler an apparatus suitable for use in midwifery and minor surgery for Trilene analgesia. The inhaler is small and light enough to be held in the patient's hand, but a bed rail attachment is available if desired.

"Perfumed Harmony" Again.—Coty (England), Ltd., 3 Stratford Place, London, W.I, present their first post-war "perfumed harmony" range in the l'Aimant series ("the perfume of magnetism"). The range includes perfume, toilet water, face-powder, bath oil, dusting powder, bath salts, tale, toilet soap, brilliantines, hair lotion, sachet.

Transfusion Cannulæ.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, are now including polythene cannulæ among the accessories available for use with Sterivac transfusion equipment. The cannulæ are issued in four sizes (with internal diameters of 0.5, 1.0, 1.5, and 2.0 mm.), and in lengths of five yards. Directions for sterilisation are included with each packet.

Photographic Year Book. — Now published by Johnsons of Hendon, Ltd., Hendon Way, London, N.W.4, the Johnson Wellcome Photographic Year Book, 1949, just issued, retains the familiar features of its predecessors, plus a section on Johnson photographic chemical preparations. The exposure calculator is supplemented by a depth-of-field calculator, and there are the usual diary and record pages among 100 pages of information.

Procaine Penicillin.—Glaxo Laboratories, Ltd., Greenford, Middlesex, announce the introduction of procaine penicillin-G oily injection, Glaxo. The injection, which is supplied in 10-c.c. vials, is a sterile suspension in arachis oil containing, in each c.c., 300,000 units of penicillin chemically combined with 120 mgm. procaine. An intramuscular injection of 1 c.c. ensures a therapeutic level of penicillin in the blood for twenty-four hours in most cases. The preparation comes within Schedule 1 of the Poisons Regulations.

Intramammary Penicillin for Cows.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.I. have introduced single dose tubes of Wellcome brand penicillin intramammary (bovine) injection in three strengths:—20,000, 50,000 and 100,000 units, each packed in boxes of twelve. A feature of the Wellcome tube is the soft paraffin pad in the base, ensuring full expression of the penicillin suspen-

sion into the teat canal. A patent is pendng for this device. Pharmacists are reninded that they may supply the product only to veterinary surgeons or on veterinary prescriptions.

"Vision" Packages Displayed. — In order to stimulate interest in transparent and partly transparent packages, British Celanese, Ltd., Celanese House, Hanover Square, London, W.I, are staging at that



address an exhibition of actual and sug-gested applications of Clarifoil tissues and Celastoid sheeting. These transparent packaging media provide not only protection but also "crystal" clarity for their contents. The examples range over a great variety of commodities, including medicinal and toilet articles. Innovations include spirally wound Clarifoil tubes, which are stronger and more economical than similar tubes made from the sheet and sealed with adhesive, Celastoid-hessian laminate for crating (eminently adaptable for returnable crates where smoothness and cleanliness are important), and laminates and Clarifoil-tometal foils, paper, etc., to give a hygienic and protective surface to wrappers, etc., and render them tough, flexible and moisture-vapour-proof. A visit to the exhibition, which is open to invitees until November 26, may be made by arrangement with the company's advertising department.

# Proprietary Articles Trade Association

Alterations to Protected List (Part 1).—British Chemicals & Biologicals, Ltd. (distributors of the pharmaceutical products of Benger's, Ltd., Genatorian, Ltd., and Whiffen & Sons, Ltd.). Joint parcel arrangements available to retail chemists: Orders value &3, less 2½ per cent; £5, less 5 per cent.; £10, less 7½ per cent.; £12, less 10 per cent. All carriage paid.

Vocalzone, Ltd. (distributors, Brooks & Warburton, Ltd.). Vocalzone pastilles, 9s. 10d. doz. (tax 33\frac{1}{3} per cent.), inclusive retail price 1s. 6d.

Moore Medicinal Products, Ltd., Correction: Morovin tablets, tins of 25, 6s. ad. doz. (tax 33\frac{1}{3} per cent.), i.r.p. 1s. od.

Additions to Protected List (Part 1).—Thos. Kerfoot & Co., Ltd., Vapex inhaler, 8s. doz., twelve doz., 7s. 9d. doz. (tax 33\frac{1}{3} per cent.), inclusive retail price 1s. 3d. Packed in outers of three doz. Vapex-Volatol, 11s. 6d. doz., six doz., 11s. 3d. doz. (tax 33\frac{1}{3} per cent.), i.r.p. 1s. 9d. Packed in outers of one doz. less 5 per cent. for cash before the fifteenth of the month following date of invoice.

A. Wander, Ltd. Alasil tablets, new small size, six tablets, 2s. 3d. doz.  $(\tan 33\frac{1}{3} \text{ per cent.})$ , i.r.p. 4d.; thirty-four tablets, 11s. 3d. doz.  $(\tan 33\frac{1}{3} \text{ per cent.})$ 

cent.), i.r.p. 1s. 7d.

### **BUSINESS CHANGES**

HIRST, BROOKE & HIFST, LTD., Sheepscar Works, Leeds, 7, have appointed Mr. W. Robinson buyer for proprietaries and packaging containers.

AFKAPS, LTD., manufacturing chemists, 105 Tonbridge Road, Maidstone, Kent, have acquired the business of Antiseptic Products, Ltd.

Monsanto Chemicals, Ltd., 8 Waterloo Place, London, S.W.1, have acquired control of Silicon (Organic) Developments, Ltd.

Mr. H. Walker, Ph.C., has converted into a pharmacy the drug store formerly carried on by Mr. J. H. Dyson at 59 Lidget Street, Lindley, Huddersfield.

THE Medical Department of J. C. Eno, Ltd. (serving companies associated with the Beecham Group), has moved into permanent offices at King George's Avenue, Watford (Telephone: Watford 7761).

BARBER ELECTRICAL SERVICES, LTD., manufacturers of electro-medical equipment, Birmingham, have appointed Mr. W. C. Smith, 9 Glenwood Road, Henleaze, Bristol, representative in south Wales and south-east England.

TENNANT GROUP OF COMPANIES have acquired a majority interest in Burgoyne, Burbidges & Co., Ltd., manufacturing chemists and wholesale druggists, East Ham, London, E.6. Dr. W. Bryce Alexander, M.B., B.Chir., M.R.C.P., has been elected to the board. Administration will continue to be under Mr. Harold Housley, M.Sc., M.A. (Com.), A.R.I.C. (managing director).

THE MINISTRY OF FOOD states that its various responsibilities for food standards and food hygiene are now being dealt with by the following divisions, all with offices at 47 Portman Square, London, W.I (Telephone: Welbeck 5500). Food Standards and Labelling Division (responsible for the promotion of food standards and for handling all technical correspondence with chemists); Food Hygiene Division (responsible for the promotion of measures to improve hygienic conditions in the food trades); and Liaison Division (Food Standards and Food Hygiene) (providing, for the two divisions above, a liaison with the local authorities, with the public (other than manufacturers and traders), and with professional bodies).

# THERAPEUTIC SUBSTANCES ORDERS AMENDED

The Joint Committee set up under the Therapeutic Substances Act, 1925, has issued regulations (S.I., 1948, No. 2418) amending the Therapeutic Substances Regulations, 1931, with effect from December 1. A period of grace of nine months from that date is to be allowed for compliance with the new requirements for the use of "proper names" and the labelling of therapeutic substances. The principal effects of the amendments are as follows:—

- (1) The following new definition is adopted for penicillin:—
  - "Any antimicrobial acid which (a) may be shown on chemical and physical examination to contain in its structure a fused thiazolidine beta-lactam nucleus; or (b) loses its antimicrobial activity on hydrolysis by the penicillinases which destroy the antimicrobial activity of the substance known as 'International Standard penicillin,' and accordingly may, without chemical and physical examination, be presumed to contain in its structure such a nucleus as aforesaid; and includes any salt or derivative obtained from any such acid, and any solution containing any such acid or salt or derivative."
- (2) The schedule defining the position of diphtheria prophylactic has been amended to include a list of general provisions applicable to all types of the prophylactic followed by special provisions applicable to the following types:—Formol toxoid (F.T.), alum precipitated toxoid (A.P.T.), toxoidantitoxin mixture (T.A.M.) and toxoidantitoxin floccules (T.A.F.).
- (3) The regulations affecting antitoxins and antiserums have been recast to provide a statement of general requirements followed by a special schedule for the following particular preparations:—Diphtheria antitoxin, tetanus antitoxin, gas gangrene antitoxin (perfringens), gas gangrene antitoxin (septicium), gas gangrene antitoxin (cedematiens) and staphylococcus antitoxin. The provisions applicable to anti-dysentery serums and to anti-pneumococcus serum have been omitted.
- (4) Preparations of human blood and organic substances (including d-tubocurarine chloride) having the specific biological activity of curare on neuro-muscular transmission have been brought under control as substances, the purity or potency of which cannot adequately be tested by chemical means. The term "preparations of human blood" includes any serum or plasma made from human blood, any protein or other substance separated from human blood and any dried product prepared

from any such serum, plasma, protein or other substance. The regulations provide schedules dealing with the preparation, testing, packing and labelling of the newly added substances.

(5) The labelling requirements have been altered so that any vial or other container in which a therapeutic substance is offered for sale must bear a label affixed by the manufacturer. (Indelible marking on the vial itself is permitted instead of a printed label).

## N.H.S. PRICING IN SCOTLAND

At a crowded meeting of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society on November 10, Mr. S. Hughan presiding, Mr. W. A. Beattie, M.P.S., F.C.S. (clerk, Scottish Drug Accounts Committee) spoke on "Some Aspects of the Pharmaceutical Service." Mr. Beattie pointed out that the Drug Accounts Committee merely carried out regulations made by other people. The committee's work had been organised and built up by the foresight and ability of his predecessor (Mr. A. B. Gilmour). From July 5 to July 31, 1947, prescription forms received by the committee had totalled 208,026, against 567,302 for the same period in 1948. The August figures were 256,115 in 1947 and 722,051 in 1948, an increase of about 275 per cent. The total for 1947 had been 3,638,342 and over 10 millions could now be expected annually. In July 1948, some 60 per cent. of the total had come from Aberdeen, Edinburgh, Dundee and areas outside Glasgow, Lanarks, Renfrews, and Dumbartons, twenty-three per cent. coming from Glasgow and almost ten per cent. from Lanark.

Mr. Beattie went on to suggest several ways by which pharmacists could lighten the work of his organisation. When sending a packet of prescriptions to the Executive Council, stock orders (E.C.10A) and dental forms (E.C.14) should be separated and placed at the end of each packet, the remaining E.C.10 forms being numbered in chronological order with No. 1 at the top and the highest number at the foot. The habit of some prescribers of copying out the ingredients of a proprietary was good for neither the pharmacist nor the pricer. If a proprietary was considered to be "good and sufficient medicine" it should be prescribed by its proper designa-

tion.

# 3.P., 1948, PHARMACEUTICAL PREPARATIONS—2

A review by Mr. R. R. Bennett, Ph.C., and Professor H. Berry of the pharmaceutical preparations of the new pharmacopæia

MULSIFYING Wax (some of the characters f which were given in the first part of this eview— see C & D., November 13, p. 645) a translucent wax-like substance. From two ointment bases are produced: mulsifying ointment (unguentum emulsi-cans)—a mixture of thirty parts emulsiying wax, fifty parts white soft paraffin and twenty parts liquid paraffin, that orms stable emulsions varying in constency from that of milk to thick, non-ourable creams, and hydrous emulsifying intment (unguentum emulsificans aquoum)—made by adding seventy parts varm water containing a little chlorocresol o thirty parts emulsifying ointment, stir-ing until cold. The product is a waterniscible ointment base easily removed from he skin by washing with water. It is not used as a base for any of the official ointnents, but is likely to be widely prescribed by dermatologists. There is no change in he formula for ointment of phenol but the nonograph now includes an assay process, and the ointment is required to contain, when freshly prepared, not less than 2.5 per cent. and not more than 3.1 per cent. of phenol; after storage it must contain not less than 2 per cent. of phenol. It is required to be kept in a cool place, and should be dispensed or supplied only in collapsible tubes. The two official peni-cillin creams are similar in composition, out one is sterilised and without added bacteriostat; the other is not sterilised and contains chlorocresol.

#### Oculenta

All the oculenta must now be prepared by aseptic technique. When the medicament is the salt of an alkaloid it must be dissolved in a small quantity of water for injection and the solution triturated in a sterilised mortar with a melted and sterilised mixture of ninety parts yellow soft paraffin and ten parts wool fat. If the medicament is other than the salt of an alkaloid it must be triturated with the melted base until smooth. In making penicillin ointment for the eye, water must not be used to dissolve the penicillin. Atropine and mercuric oxide ointment for the eye must be made freshly when required. All the oculenta are required by the Pharmacopœia to be supplied in small sterilised closed collapsible tubes.

### Aromatic Waters, Emulsions and Liquors

The official aromatic waters are now prepared either by making a saturated solution of the relevant volatile oil in distilled water or by diluting with distilled water an alcoholic solution of the oil. Emulsion of chloroform and emulsion of peppermint, introduced into the Fifth Addendum as substitutes for spirit of chloroform and spirit of peppermint, have been carried into the new pharmacopæia. Emulsion of liquor paraffin, official for the first time, contains 50 per cent. v/v of liquid paraffin, whereas the Codex and the N.W.F. emulsions contain only 25 per cent. — a difference that may cause some confusion until the position is clarified. Nine official liquors have been deleted and there are no new ones. The formula of solution of chloroxylenol ("which I think we ought to call 'roxenol' more often than we do") has been improved by the use of a larger proportion of alcohol, and potassium (instead of sodium) hydroxide, for preparing the ricinoleate soap solution; the new preparation is less liable to become cloudy in cold weather. Weak solution of iodine contains an increased proportion of potassium iodide, though the free iodine content is unchanged; the object is to lessen liability for the iodine to precipitate when the solution is added to water.

### Liniments, Lozenges, Pills

Lin. camph., B.P., 1948, is made with arachis oil, and no alternatives are allowed; arachis oil gives a preparation less liable to congeal in cold weather than one made with olive oil. The one official lotion of the B.P., 1932 (black mercurial lotion), has been deleted. The B.P., 1948, gives official status to lotio calaminæ. A calamine containing no zinc oxide produces an aqueous calamine lotion of a deeper pink colour than a lotion made with a calamine of similar tint but containing zinc oxide; this effect, however, is of much less significance than the fact that oily calamine lotions, and calamine ointments containing yellow soft paraffin, if made with calamine B.P., in place of calamine B.P.C., are liable to present an unsightly brown colour instead of the customary pink colour.

Penicillin lozenges, added to the B.P., 1932, by "Gazette" notices in 1946, are made by compressing a mixture of penicil-

lin (calcium salt) with previously prepared dry granules of sucrose or lactose, or a mixture of the two, and suitable binding The monograph gives no limit for moisture content, and gives no indication of the period during which the lozenges may be regarded as having substantially retained their strength. However, it is stated that penicillin lozenges must be packed in air-tight containers, stored at as low a temperature as possible, and not above 15°C. It is stated for the first time, by means of a footnote to the monograph, that pills of iron carbonate (Blaud's pills) should be freshly prepared and must disin-tegrate readily. It may be fair to assume that the term "freshly prepared" is to be interpreted generously; there is no official disintegration test. In making powder of ipecacuanha and opium the use of potassium sulphate, in place of lactose, is no longer authorised. Six standardised vegetable powders are retained; with one exception all are called "prepared." With opium - the exception - the designation prepared" was already in use to describe opium prepared for smoking. Hydrargyrum cum creta now contains i per cent. dextrose, to lessen risk of oxidation of the finely divided mercury.

### Parenteral Injections

The injections and tablets of the pharmacopæia were the subject of a separate lecture given by Professor H. Berry on

November 10.

Every pharmacopæial substance for which a dosage by a parenteral route is stated has a corresponding injection monograph. A typical monograph gives name, synonym/s, and method of preparation. It may direct the vehicle to be water for injection, or injection of sodium chloride, or water for injection free from carbon dioxide. It may specify the рн of the vehicle, and may include a reducing substance such as sodium metabisulphite. It may direct packing in single-dose containers, for protection against oxidation or CO2, or because no bacteriostatic may be used, or on account of possible action on rubber, and may direct the method of sterilisation; the amount of medicament (with limits of tolerance of weight); identification; an assay process (whenever it has been possible to devise one); tests for sterility; container; storage conditions; labelling; doses and route/s; a statement of strength. All the controls are necessary and their character is too important to allow them to be relegated to an appendix.

### Sterility Tests

All injections (except those prepared extemporaneously) are required to comply, if tested, with standards for sterility. It is necessary to distinguish between tests for sterility that are (a) part of the method of preparation (e.g. filtration); and (b) standards to which the preparation must con-

form if tested. The methods of heating in an autoclave and heatting with a bactericide have only for control tests sterility, and the B.P. implies that sterility is obtained when the official method is followed. Much of the detail of the tests is left to skill of operator. An innovation is the introduction of an-



Professor H. Berry

aerobic media containing an oxidationreduction potential reducer such as sodithioglycollate. The method heating with a bactericide was intro-duced in the 4th Addendum for steriliising preparations containing drugs too thermolabile to withstand autoclaving, or when preparation by filtration would take too long. Chlorocresol is suspect in some injection solutions (e.g. with certain samples of penicillin and heparin), but a wide selection of other bacteriostats is provided. The prohibition of bactericides and bacteriostats in intrathecal, peridural and intracisternal injections is a refusal to risk necrotic action at the site of injection. The prohibition necessitates dispensing such injections as single doses in sealed ampoules—a method seriously considered by the Commission as the only method for all injections. Only for economic reasons have multiple-dose containers again been permitted.

#### Intrathecal Injections Warning

The necessity for extreme care by pharmacists in preparing intrathecal injections cannot be stressed too often. The cerebrospinal fluid has no defence mechanism against invading organisms. The method thus presents grave risks of infection, and "I would suggest strict adherence to official methods."

The precautions specified for rubber in the 4th Addendum are extended, and it is emphasised that rubber can remove phenols

ind metabisulphite from solution. It is herefore important that rubber caps be aturated with these substances before being

used as seals.

Water for injection has now a control est for absence of pyrogens. As there is no tandard reference substance, the test cannot be regarded as wholly satisfactory. It is not necessary if the official details are trictly followed. For producing a nonpyrogenic water the B.P. now relies upon a) a still "fitted with an efficient device or preventing entrainment" (the phenomnon whereby vapour escaping from a iquid does so within a small envelope or bubble which may be carried over into the receiver), (b) an instruction to sterilise the distillate immediately. Many manufacturers now produce stills that can be relied ipon to prevent entrainment. Immediate sterilisation of the distillate is required as a precaution to prevent development of pyroren-producing bacteria during the waiting period. The custom of providing a slight excess of medicament in an ampoule, so that the physician may withdraw the exact quantity he requires (a custom officially recognised in the U.S.P. XIII) is ruled out in this country for preparations coming within the D.D. Acts, regulations under which demand the exact volume only in each container. The B.P. has systematised the nomenclature of injectable preparations, and no such preparations are now called liquors or liquid extracts.

The seventh Addendum method of tablet controls is adopted unchanged. The problem of tablet controls involves three interested parties: The dispenser, the manufacturer, and the analyst. The dispenser seeks, apart from exact dosage, that each tablet should be of the same dosage, uniform in weight, shape and colour. The manufacturer wants latitude for unavoidable variations due to permitted variation in purity of drug, variations in weights as delivered by a well-controlled machine, and variations during transit and storage. The analyst requires clear directives on assessing results.

#### BY "JET" INJECTION DRUG ADMINISTRATION

ATTENTION was drawn in a recent editorial article in the "British Medical Journal" o an apparatus for the "jet" injection of nedicaments. The device, which is intended to eliminate or greatly reduce the pain of subcutaneous injections, has been under trial in the United States for some twelve nonths. A description of it was given by Higson and Hughes in the "Current Researches in Anæsthesia and Analgesia" (1947.26.221). The apparatus is without syringe or needle, but is based on the principle that fine-pressure jets can pierce

the human skin with little or no pain.

The sterile solution for injection is placed in a metal ampoule of 0.25 c.c. capacity, called a Metapul. The Metapul, which is shaped like a blunt-nosed bullet, has in its rounded nose a hole 0.0003 in. in diameter. The flat base of the "bullet" is closed with a rubber plug, and the whole sterile Metapul is enclosed in aluminium foil to avoid contamination before use. In making the injection the foil is first removed and the Metapul locked in position in the lower end of the cylindrical injecting instrument (about the size of a twocell electric torch). The instrument contains a calibrated high-tension spring which can be released by pressing a button on the "upper" end of the cylinder. After release, the spring propels a metal plunger against the rubber plug of the Metapul, and the injection solution is forced through the aperture as a fine, high-velocity jet under a pressure of 2,300-3,500 lb. per sq. in., depending on the particular type of apparatus used. Adjustments can be made so that any dose between o.oo1 and 0.25 c.c. can be delivered. Of 118 patients and volunteers under test with the apparatus, 51 per cent. felt no pain from the injection, while 43 per cent. experienced much less pain than that produced by a 26 gauge needle.

To avoid producing intradermal weals on injection, particular care is needed to hold the Metapul firmly against the skin for 2-3 seconds after releasing the spring. A list of possible disadvantages compiled by the authors includes the cost of the instrument and Metapuls, the limitation (at present) of the maximum dose to 0.25 c.c., possible injury to tissue, wide dispersal of the injected material (a disadvantage where slow absorption is necessary), the need for using less viscous solutions for certain drugs, difficulties of maintaining a techni-cally complicated apparatus, and the possible need to develop different inert metallic containers for particular drugs. Advantages claimed, in addition to lessening the pain of injection, are absence of the need to sterilise the instrument before use, and greater convenience in administering drugs (such as insulin) over a long period.

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RETAILER—WHOLESALER—MANUFACTURER
ESTABLISHED 1859

Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, British Empire, and foreign countries Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

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### A Misconceived Prosecution

The defence in the "syrup of figs" prosecution (C. & D., November 13, p. 624) stigmatised that prosecution as "a singularly bad case of oppressive, ill-judged and unreasonable abuse by a local authority of their powers under the Food and Drugs Act." Costs of 250 guineas—the highest, we believe, ever allowed in a Food and Drugs case, were asked for and awarded. There is to be no appeal against the decision of the magistrate.

In simplest terms, the prosecution, initiated under Section 3 of the Food and Drugs Act, 1938, by the Woolwich borough council, asked the stipendiary magistrate to convict the partners in a concern trading as Allen Drug Stores of committing an offence under the Section by selling "California syrup of figs" in response to a request for "syrup of figs." The prosecution based their case on the certificate and evidence of the borough analyst (Dr. Williams), who maintained that "California syrup of figs" was a "compound syrup of senna" with syrup of figs included in the formula. He held that the quantity of fig extract was too small to justify the description "syrup of figs," which was, therefore, in his view, misleading. In cross-examination he said that in any syrup of figs he would expect to find only fig extract, water and sugar, unless the label bore a qualifying term such as "compound." He appeared to regard "Syrupus Ficorum, B.P.C." (which is simply a syrup containing in 100 parts the extractive matter of 40 parts of figs) as a standard to which anything sold as "syrup of figs" should conform. The constituents of "California syrup of figs," as disclosed on the label and confirmed by the analysis, were 27.8 per cent, of an aqueous (1 in 1) extract of senna leaves, 27 per cent. of syrup of figs (1 in 7) and certain named carminatives. It was thus the allegation of the prosecution (a) that to supply a compound preparation of this type in response to a request for "syrup of figs" was to supply something not of the substance demanded by the purchaser and (b) that the latter would be prejudiced by reason of his purchase. The defence had to establish what, in their view, the term "syrup of figs" means to the ordinary purchaser. They had to satisfy the magistrate on the point he put to one of the expert witnesses, Dr. Philip Hamill. "What does the woman want when she goes into a chemist's shop and asks for 'syrup of figs,' even when she asks on the doctor's instructions?" Dr. Hamill's reply was that the syrup of figs the customer wanted was "essentially an aperient of the senna type, made acceptable with figs and other things."

That the ordinary purchaser asking for "syrup of figs" would expect to get a compound syrup containing senna or other laxative, flavoured and sweetened with fig syrup, was the substance of the evidence given by a number of expert witnesses called by the defence. This evidence the magistrate accepted and, in dismissing the summons, said that, in his view, it was overwhelmingly established that a customer who asks a chemist for "syrup of figs" and is supplied with "California syrup of figs" is receiving "a perfectly proper mixture." Food and Drugs Act prosecutions of major interest and importance to retail chemists have been comparatively rare in recent years. The Woolwich case, had it been less strongly and ably defended, might have had unpleasant repercussions on retail pharmacy as well as on the manufacturer. It is to be hoped the failure of this prosecution, and the award of such substantial costs against the local authority which brought it, will deter other bodies from initiating proceedings which, to use the words of a high judicial authority, savour of "obtrusive interference with honest trading."

Still Scope for the Pharmacist

In view of allusions to the new pharmacopœia as a "manufacturer's pharmacopœia" (which in many respects it is), some remarks by the two lecturers on the pharmaceutical preparations of the B.P. in the Society's weekly series are timely and encouraging to those engaged in practical pharmacy. Mr. R. R. Bennett-a pharmacist who, despite a long and distinguished career on the manufacturing side, has managed to retain an understanding of and sympathy with the pharmacist whose preoccupation is with extemporaneous dispensing—declared on November 3 that the 1948 B.P. "still leaves the pharmacist ample scope for the practice of his art." He referred especially to the increasing use of injections and the consequent necessity for the adoption of sterilisation technique—a subject dealt with in detail a week later by Professor Berry, Both speakers are to be praised for going a little behind the requirements of the monographs into the considerations that led the Commission, say, to prescribe controls of varying kinds (whether to meet interaction between a bactericide and the medicament, to avoid risk of necrotic action, etc.); to notice or not to notice a newly-introduced compound; to be specific or vague about choice of bacteriostat, and in general to forestall criticism from those who attack the pharmacopæia because it does not include a new medicament or improved test, or excludes a substance that may have fallen out of favour with the most advanced thinkers. Although, as Professor Berry said, the Pharmacopæia, "despite the colour of its cover," is the most conservative of reference books, his remarks served to prove that the compilers are fully alive to modern trends and well aware, too, of many standards that need improving as knowledge grows. Thus he went into considerable detail (which, unfortunately, we have not had space to give) about why activated charcoal was rejected as a depyrogeniser of water, and what it would have meant in practice to demand complete uniformity of weight and shape in tablets, irrespective of batches. He went further in proving the Commission receptive to progress by inviting work by hospital pharma-

cists and others on specific problems requiring solution (such as the optimum conditions for stability in parenteral solutions: effects of time, temperature and ph; and incompatibilities). His warning about precipitate publication of results which are not necessarily repeatable by other workers was doubtless spoken feelingly. In one respect only did he appear less up-to-date than Mr. Bennett. Today, since the application of the Therapeutic Substances Act to penicillin injections, it is an undoubted fact that many holders of T.S.A. licences are better equipped for sterile dispensing than are the majority of hospital pharmaceutical departments. Quite a few have found in the preparation of sterile solutions that scope for applying their knowledge to which Mr. Bennett referred. (They have found, incidentally, that this newer type of work is fully profitable). If they can only gain sufficient of another necessary element—time—they are surely as fitted as any other group of pharmacists to fill the gaps in the knowledge of how to keep parenteral preparations stable and active at the time of administration.

## Therapeutic Substances

THE main effect of the Therapeutic Substances Amendment Regulations, 1948 (see p. 664), is to bring the original regulations into line with modern knowledge and current medical practice. The definition of penicillin and preparations of penicillin has been made more precise, as have the schedules dealing with diphtheria prophylactic and with antitoxins and antiserums. Two new groups of substances (preparations) of human blood and organic curare-like substances) have been brought under the control of the regulations as their purity or potency cannot adequately be tested except by biological methods. The use of sulphaguanidine in dysentery and of the sulphonamides and penicillin in pneumonococcal infections has rendered obsolete the use of antidysentery and antipneumococcus serums, which have consequently been omitted from the scope of the regulations. The effect of the new labelling requirements is to prevent the changing of labels on therapeutic substances at any stage between manufacture and use.

# PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

MEETING of the Council of the Pharma-eutical Society of Great Britain was held n London on November 2 and 3, the preident (Mr. H. Clement Shaw) in the chair.

THE SECRETARY reported that, on the ocasion of the centenary of the Hungarian Pharmaceutical Society on October 9, a elegram of good wishes had been sent on ehalf of the Society.

The Council resolved to make a contriution of £26 5s. to a fund being raised n Exeter in memory of the late Dr. W. A. obb, for many years a member of the ction and uses subcommittee of the Codex evision Committee.

### ppointments to Committee

To keep under review the Statement on latters of Professional Conduct, the Counil decided to set up an ad hoc committee, be known as the Ethical Committee, consting of the president, vice-president, and x other members of Council. The commite will also provide advice in response to equests from members of the Society on thical questions, and will publish the pinion of the Society on such matters from me to time as required. The following ere appointed to serve on the Commite:—Mr. Heseltine, Mrs. Irvine, Messrs. ristram, Wells, Wilson and Dr. Young.

THE PRESIDENT reported on proposals for ne establishment of regular consultation etween certain professional bodies, to en-ble situations to be discussed and parallel ction taken. The Council expressed its illingness to take part in such a joint coniltative committee, and it was agreed to ppoint the president and secretary to re-

resent the Society.

### I.H.S. Standing Advisory Committee

A letter was received from the Ministry f Health asking the Society to submit the ames of two representatives for considera-on with those of other bodies in connecon with appointments to the Standing Adsory Committee for Pharmacy, which will e a committee under the Central Health ervices Council. Similar invitations had een sent to eight other bodies: (the ational Pharmaceutical Union, Pharmaopœia Commission, Guild of Public Pharlacists, Company Chemists' Association. ritish Medical Association, Association of ritish Pharmaceutical Industry, Parliatentary Committee of the Co-operative longress, and Trades Union Congress). he Council decided on the names to be

submitted, and added a suggestion that, if any subcommittees were appointed for special purposes or to deal with special areas, the desirability of including a representative of Wales should be considered.

### Anæsthetic Methods in Hospitals

A report was given of a meeting held at the Ministry of Health, at which the Society was represented, to discuss methods of distinguishing anæsthetic solutions used in operating theatres. It was explained that the aim in view was the prevention of mishaps arising from accidental injection of solutions intended for external application. As the outcome of the meeting, a small commission representative of the medical, pharmaceutical and nursing professions is to be appointed to examine the methods in use in hospitals throughout the country and prepare a report.

### **Examination Regulations**

The Education Committee's report stated that a request had been received from students attending a part-time course in preparation for the Pharmaceutical Chemist Qualifying examination for permission to take the examination in two parts. committee decided that there could be no differentiation between the examination taken by those students and that taken by students attending normal full-time courses, and that the request could not be granted. MISS M. C. ISLIP said that she was disappointed that the committee could not consider making the concession, as she felt that there were exceptional circumstances. The students finished their training in pharmacognosy in July and did not take the examination till twelve months later. The trend of modern education was to lessen "cramming," and she understood that, under the regulations for the new B.Pharm. degree, it was possible to take a referred subject at any time, even after completion of the rest of the subjects. She had discussed the matter with the head of a school of pharmacy, and he saw no real reason why the concession should not be granted. THE PRESIDENT said that he could understand giving concessions at the entrance or intermediate stage, but thought that variations from the regulations for the Qualifying examination would be wrong.

Mr. C. W. MAPLETHORPE (chairman of the Committee) said that the committee had given careful consideration to the application, which had been received from three separate sources. It was incorrect to say that there was a lapse of one year between the study of pharmacognosy and the taking of the examination. Normally the work went right through to the end of the course. The committee considered that, if the concession were granted, there would be numerous similar applications from elsewhere. The students had already received a concession in being allowed to prepare for the Ph.C, examination in part-time courses.

MISS ISLIP moved reference back of the paragraph. Mr. W. J. Tristram seconded.

The motion was put and lost.

#### **Examination Concessions**

The Education Committee's report also stated that the Committee had considered the cases of two persons to whom examination concessions had been granted and who were registered as "Apprentice or Student" after June 1, 1948; it had been unanimously agreed that each student must comply with the regulations applicable to others who registered at the same time. MR. T. HESELTINE expressed disappointment at the decision in respect of one applicant. The correspondence, he said, had been going on since February, and the delay was no fault of the applicant. He moved that the Council should grant the application.

The Secretary pointed out that, apart from the merits of the case, the Council could not make a concession that amounted to setting aside examination regulations approved by the Privy Council. He mentioned this regretfully, as it was a hard case, but the wrong side of the date-line. On the advice of the president, Mr. Heseltine moved reference back of the case to the Education Committee, and this

was approved.

MR. W. J. TRISTRAM appealed for reconsideration of the other case. Mr. MAPLETHORPE said that nothing was known of the case until June 2, when an inquiry came from a school of pharmacy. He outlined its subsequent course. Mr. Tris-TRAM moved. and Mr. HESELTINE seconded that that case also should be referred back. The motion was approved. The President suggested that Messrs. Tristram and Heseltine should attend the committee meeting when the cases were reconsidered, and the chairman concurred.

### University Candidates for Ph.C.

A communication was received from the Registrar of the University of Glasgow asking that candidates for the B.Sc., degree in pharmacy of that university should be exempt from further examination in forensic pharmacy in the Pharmaceutical Chemist Qualifying examination. It was agreed to await completion of the revised Ph.C. syllabus.

### Petrie Trust Award

The Education Committee recommended, and the Council approved, that the Petrie Trust Bursary, with a copy of the British Pharmaceutical Codex, should be awarded

to Peter M. Worling, Aberdeen.

Reports of the examinations held in September-October were received. In England and Wales ninety-one candidates entered for the Intermediate examination; ten passed, fifty-eight failed, eighteen were referred, and five were absent. Thirty-six out of seventy-nine entrants for a referred subject passed. For the Chemist and Druggist Qualifying examination there were fifty-four candidates, of whom nineteen passed, twenty-seven failed, seven were referred, and one was absent; thirtynine candidates passed in a referred subject. In Scotland there were sixty-two entrants for the Intermediate; eighteen passed, twenty-nine failed, twelve were referred, and three were absent. Of fifty-nine candidates for the Chemist and Druggist Qualifying examination, twenty-seven passed, nineteen failed, twelve were referred and one was absent; all thirty-nine entrants for a referred subject passed.

### Benevolence and War Aid

The report of the Benevolent Fund Committee stated that, after consideration of the circumstances of certain beneficiaries, the Committee recommended that two persons (names given) should be elected an. nuitants at the December meeting of the Council. The recommendation was approved. On the committee's recommendation it was agreed that Christmas gifts of £5 should be given to each of seventy-two annuitants, and of £2 2s. to each of thirteen orphans. Grants had been made to five widows, amounting to £195. Recommendations for grants to three further widows and one member, amounting to £364, were approved. A grant of £50 was made to enable a boy to remain at school for a further year.

The minutes of a meeting held on November I were received. The Council endorsed a decision not to approve the supply of halibut liver oil capsules to members of the staff. Mr. HESELTINE thought it would have been a good investment, but

R. J. F. McNeal, for the Committee, id that to approve the suggestion would ise so many problems that it was thought exter to turn it down. In any event it as the work of the pharmacists to supply a capsules through the National Health ervice on a doctor's prescription. On a roposal to provide washing facilities to embers of the library staff, Mr. Hesel-

TINE said the report was an indictment on the librarian and staff. He hoped the books would be dusted before the next meeting. Mr. McNeal pointed out that he had not said the books were dirty; anybody handling books would realise that there was constant need for washing the hands. When the recommendation was put to the vote it was lost.

# MODERN CONCEPTIONS OF DRUG ACTION

LECTURE entitled "Modern Conceptions Drug Action" was given by Mr. C. eaven, Ph.C., A.R.I.C. (Parke, Davis & o.) to the Pharmaceutical Society of Irend, and doctor guests, at Trinity College, ublin, on November 9. Addressing a rge audience, Mr. BEAVEN said that, durg recent years, and particularly since the ar, there had been rapid advances in theraeutics. Intensive study of the componits and processes of the living cell had ade possible a more rational conception the action of many drugs. This, together ith a clearer understanding of the relaonship between chemical structure and harmacological action, was opening the ay to more rational and scientific thera-

The speaker drew attention to the special gnificance of the recent conception of competitive antagonism" which was helper to explain the action of certain chemoerapeutic agents. He illustrated the retionship between chemical structure and harmacological action with lantern slides.

### Prigin of "Sympathomimetic"

In 1910, Barger and Dale had examined series of synthetic amines related to adenaline and ephedrine and introduced the erm "sympathomimetic" to describe the rpe of action manifested by this group. he actions were mainly local vaso-contriction, broncho-dilatation and circulatory timulation. Extensive study of the drugs ad established a certain broad relationship etween structure and action which could be ummarised as follows:—The presence of lydroxyl groups in these compounds inreases their activity but diminishes the duation of action. The hydroxyl groups in adenaline probably account for its instability nd its readiness to oxidise. Removal of the lydroxyl group in the aliphatic chain of drenaline produces a compound (Epinine) vhich is more stable but much less powerul quantitatively. The so-called "isopropyl adrenaline," which is really isoprobyl nor-adrenaline, represents an attempt by German chemists to separate the pressor and vasodilator effects of adrenaline. The drug is now being evaluated in asthma, and time will show whether it is an improvement on other drugs.

In ephedrine and amphetamine, said the speaker, the hydroxyl groups of adrenaline had been eliminated. Consequently the compounds are more stable than adrenaline, but do not produce such powerful effects on the circulation. The presence of the methyl group in the alpha position to the nitrogen tends to prolong the pressor effects and to increase stability. In the absence of the aromatic hydroxyl groups, the methyl group seemed to give a stimulating effect on the central nervous system. This was notably evident in amphetamine.

### Competitive Antagonism

Mr. Beaven showed how the idea of "competitive antagonism" arose from the studies of Woods into the mode of action of the sulphonamides. Among the examples shown illustrating this new concept were nicotinic acid and pyridoxine-3-sulphonic acid; thiamine and pyrithiamine; biotin and desthiobiotin; vitamin K and dicoumarol. The theory of competitive antagonism was likely to lead to significant discoveries in chemotherapy. Sir Paul Fildes. speaking on the subject recently at Trinity College, Dublin, he pointed out, had used the expression "planned chemotherapy" for the type of research that was growing out of these studies. The present conception of the mode of action of anti-histamines was that they competed with histamine for certain specific receptors on the cell. If histamine reacted chemically with the receptor a biological response followed. In the allergic patient this response might be dilatation of the capillaries and an increase in their permeability. Should the anti-histaminic unite with the receptor there was no biological response and the allergic symptoms did not therefore develop. Professor Gaddum had recently described the antagonists as "dogs in a manger."

# LONDON MEDICAL EXHIBITION

PERHAPS the greatest number of innovations to be seen at the 1948 London Medical Exhibition (November 15-19) was in ways of presentation. Exhibitors showing penicillin, for example, presented as a procaine penicillin injection, included Allen & Hanburys, Ltd., Glaxo Laboratories, Ltd. (see also p. 662) Burroughs Wellcome & Co., Imperial Chemical (Pharmaceuticals), Ltd., and Boots Pure Drug Co., Ltd. Hexamine mandelate tablets (for urinary tract infecenteric-coated by a seven-fold process claimed to ensure disintegration at the desired site, were shown by Savory & Moore, Ltd. Anthisan, as an elixir, prepared primarily for children, was shown by Pharmaceutical Specialities (May & Baker), Ltd.; aspirin as a soluble preparation by Reckitt & Colman, Ltd.; and tyrothricin in a washable cream base (Tyroderm) by Sharp & Dohme, Ltd.

### New Principles

New therapeutic principles to be seen included tablets of tetraethyl pyrophosphate (T.E.P.P.), and of di-isopropylfluorophosphosphonate (D.F.P.), by Allen & Hanburys, Ltd.; aerosporin (in limited supplies by Burroughs Wellcome & Co.; pink acicular micro-crystals of the new antianæmia factor obtained from liver, by The British Drug Houses, Ltd.; and a new analgesic, Heptalgin (CBII), by Glaxo Laboratories, Ltd.

New dressings included absorbable hæmostatic gelatin sponge prepared in a number of forms by Allen & Hanburys, Ltd. The Lederle Laboratories offered new literature on Teropterin, a substance related to folic acid (and under trial as a palliative in certain types of malignancy). A film, "Thiopentone Sodium and its

A film, "Thiopentone Sodium and its use in Intravenous Anæsthesia," was being shown by May & Baker, Ltd. New apparatus included the Deedon electrically-operated inhaler by Moore Medicinal Products, Ltd., and the Monomite three-valve hearing aid, "smaller than a playing card" in area, and incorporating an electrical circuit printed in silver, by John Bell & Croyden.

Eli Lilly & Co., Ltd., displayed a range of barbiturates and a suspension of sulphathiazole with Tuamine sulphate; Energen Foods Co., Ltd., were showing a number of solid foods for babies; The British Oxygen Co., Ltd., were demonstrating their Devanæst portable anæsthetic apparatus C. F. Thackray, Ltd., showed the Calgitex range of alginate products, in-

cluding gauze, wool, powder and solutions. British Chemicals and Biologicals, Ltd., had displays of dermatological prepara-tions, foods, etc. Brand & Co., Ltd., showed their strained vegetables and fruit and baby broth. Among other exhibitors and exhibits were Bengue & Co., Ltd. (Acedotan ampoules for hypertension); The Armour Laboratories (liver, thyroid, and other biological products); Organon Laboratories, Ltd. (Lynoral brand ethinyl cestradiol tablets in transparent plastic tubes); Ortho Pharmaceutical, Ltd. (dienœstrol cream); Bayer Products, Ltd., Cuprelone (an organic copper compound for intravenous injection in trigeminal neuralgia, rheumatoid arthritis, etc.); British Schering, Ltd. (an exhibit chiefly of sex hormones and Albucid); A. & R. Scott, Ltd. (strained liver soup for babies); Mersons (Sutures), Ltd. (drawings of a new suture factory shortly to be opened in Edinburgh); Parke, Davis & Co. (Glucothrycil, a compound of ephedrine and Tyrothricin); John Wyeth & Brother, Ltd. (Osivite, containing vitamins A and D and natural calcium and phosphorus); Glaxo Laboratories, Ltd. (Examen and Plexan liver extracts containing the anti-pernicious-anæmia factor, procaine penicillin in oily injection, streptomycin preparations and Heptalgin (available from December 1 in 10-mgm. tablets and 1-c.c. ampoules)); Coates & Cooper, Ltd. (British-made drugs, and preparations by Reed & Carnrick, Ltd., Canada); The British Drug Houses, Ltd. (Estigen and Pernivit, a preparation for chilblains containing nicotinic acid and vitamin K); Boots, Ltd. (Histostab antihistaminic); and Ciba Laboratories, Ltd. (sex hormones and anæsthetics). The display of Crookes Laboratories, Ltd., included an illuminated tree design showing the origins and history of vitamins.

Penicillin Not Wanted. — "The well-equipped Unani Hospital [in Hyderabad] needs neither penicillin, sulphonamides nor even aspirin so long as it can prescribe crushed pearls, emeralds, rubies, powdered gold and such substances as lizard liver. Here it is that Dr. Falurrahman Khan dispenses the ancient cult of Unani medicine . . . . 'We ourselves cannot always explain why our medicines work,' he says, 'but, my friend, they have been working for centuries.' "—A correspondent in the "News Chronicle."

# MAYO CHEMISTS' DANCE

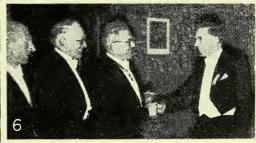












A DINNER and dance in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland was held at Cong, co. Mayo, on November 3. The function was under the auspices of the Mayo Chemists' Association, and the guests included the president of the Pharmaceutical Society of Ireland (Mr. P. A. Brady). Other visitors from Dublin were Messrs. Sylvester O'Farrell and W. R. Such; and

there were guests from all parts of the west of Ireland. From Ballina came a numerous contingent that included Mr. W. J. Anderson; Messrs. C. J. Doherty and Jack Stack headed a party from Westport; Gal-

1. Asford Castle, Cong, co. Mayo, where the function was held. 2. Mr. W. J. Anderson, a "veteran," with three pharmacist friends. 3. Messrs. M. H. Heneghan and Frank McAnena outnumbered by the Misses K. Lyster, N. Kennedy (gold medallist), Marie O'Farrell, T. Walshe and Agnes Flannery. 4. Seated: Messrs. W. R. Such and P. A. Brady (president, Pharmaceutical Society of Ireland), Mrs. M. C. Durcan, Mr. W. J. Adamson and Mrs. M. Donnelly. Standing: Messrs. M. Donnelly, M. C. Durcan and Sylvester O'Farrell. 5. Pharmacists from Ballina: Messrs. M. O'Reilly (standing), Charlie Ward, T. Barrett and N. A. P. McKane. 6. Mr. C. Ward (secretary, Mayo Chemists' Association) greets Dublin guests (Messrs. P. A. Brady, Sylvester O'Farrell and W. R. Such).

way's ambassadors included the brothers Whelan (John D. and Michael); from Tuam came Mr. R. Kilgariff. Asford Castle, at which the function was held, was formerly a residence of Lord Ardilaun.

# PHARMACEUTICAL SOCIETY OF IRELAND

### November Council Meeting

MR. P. A. BRADY (president) was in the chair at the November Council meeting of the Pharmaceutical Society of Ireland, held in Dublin on November 9. Also present were Messrs. T. C. Scott (vice-president), J. Gleeson (treasurer), P. C. Cahill, H. P. Corrigan, G. C. O'Neill, A. A. Toher, P. Brooke-Kelly, C. J. Cremen, J. P. Kissane, M. Power, N. A. P. McKane, C. D. O'Shea, R. Daly, F. X. Meagher, M. Costello, Senator F. Loughman, and T. B. O'Sullivan. An apology for absence was received from Mr. P. F. McGrath. The president welcomed the two new members of the Council (Messrs. O'Shea, Cork, and Toher, Sligo), he had no doubt they would prove to be an asset to the Council.

### Correspondence

The private secretary to the Minister for Defence sent an acknowledgment of a letter from the Council about the remuneration paid to pharmaceutical chemists in the Army. A letter, signed by the Rev. J. G. Flynn, C.C. (spiritual director) and Mr. John Costello, M.P.S.I. (secretary) from the Pharmaceutical Conference of the St. Vincent de Paul Society, stated that the conference, consisting of pharmacists and pharmaceutical chemists, was a means of active participation by pharmacists in the relief of the poor in Dublin. It relied on grants from the Council of the Society, and on the personal contributions from pharmacists. Appealing for financial help, the letter pointed out that funds were inadequate to meet demands; the Conference was, in fact, over £100 in debt. The Council unanimously agreed to subscribe £10 10s.

Mr. R. A. Kidney (secretary, wholesale section, Irish Drug Association) wrote that, as Mr. P. C. Cahill would be unable to represent the section on the joint committee set up to deal with the sale of veterinary preparations, Mr. W. R. Such had been appointed in his stead. A communication from the International Pharmaceutical Federation, appealing for increased revenue, and stating that subscriptions would be payable through a Dutch Bank, was noted

Applications from Mrs. K. Duane (née Walsh), M.P.S.I., and Mrs. E. Keogh (née Collins), L.P.S.I., requesting changes of name in the register on marriage, were granted. Preliminary registrations were

notified in respect of Anne Frances Callanan, Patrick J. Cronin, Louis V. Hyland, Richard Keane, Kathleen T. McGarvey. Mary C. McDonald, Thomas P. McGovern Patrick J. Nolan, Anne Scully McCarthy, Redmond McCarthy, Daniel J. Lynch, and Henrietta M. Hewson. The following changes of address were notified:—Mrs. K. Duane, M.P.S.I., to Duane's Pharmacy. Main Street, Ballinasloe, co. Galway: Mrs. Eileen Keogh, L.P.S.I., to 45 St. Agnes' Road, Crumlin, Dublin; Mrs. Margaret M. Pilkington, M.P.S.I., to 24 Grosvenor Road, Rathmines, Dublin; Miss Mary A. Kangley, L.P.S.I., to Pier House Dublin Road, Dromiskin, Dundalk, co. Louth; Miss Mary Foley, M.P.S.I., to 143 Capel Street, Dublin; Mr. J. P. McCaul. M.P.S.I., to 44 Harold's Cross Road, Dublin; Mr. Thomas M. McGoldrick, M.P.S.I. to the County Pharmacy, Collooney, co. Sligo; Mr. Gilbert Moriarty, M.P.S.I., to Grianan, Ballinacurra, Limerick; Mr. Paul J. Murphy, M.P.S.I., to Main Street, Wicklow; Mr. John O'Connell, M.P.S.I., to Alondon, Mr. John O'Connell, M.P.S.I., to Alondon, Mr. Timothy O'Driscoll, M.P.S.I., to Dunboy, Meath Road, Bray, co. Wicklow; Mr. J. A. Pattison, L.P.S.I., to 34 Belgrave Square, Monkstown, co. Dublin; Mr. Stanley B. Lester, M.P.S.I., to The View, Montenotte, Cork.

#### Examination Results

The reports of the House, Schools, Law, and Certificates Committees were submitted and approved. The examiners, reporting on the October Licence examination, stated that, of sixty candidates, twenty-six (seven of them women) had been successful, three with honours. The standard was the highest for some time. The examiners to the Assistants' examination reported that, of twenty-six candidates, thirteen (eight of them women) had been successful.

The registrar (Mr. James G. Coleman) reported on the deaths of Messrs. Nathaniel Agnew, L.P.S.I., James E. Cooke, M.P.S.I., Robert G. McKinstry, L.P.S.I., Henry D. Starkey, L.P.S.I., William S. Taylor, L.P.S.I., Thomas McAllister, R.D., and John Sullivan, R.D.

A motion that the pre-registration examination for 1949 should be held in November was unanimously adopted. Dr. Vincent Barry was re-elected an examiner in chemistry to the Licence examination, and Mr. T. J. Burke, B.A., M.P.S.I., an exam-

ner for the Registered Druggists' examinaion. The licence certificates of the folwing were signed and sealed: John Cosello, Patrick J. Foley, Arthur G. Allshire,
Zamon M. O'Donnell, Maurice Kissane,
Daniel J. O'Connell, Gabriel F. Griffin,
Berald D. Bagnall, Gerard M. O'Neill,
Michael Moloney, John O. Callan, Timothy
foloney, and Misses Lena Fehilly, Mary
Vagle and Bridget Mary Tarpey. Messrs.
3. J. Anderson, J. Costello, and D. F.
D'Hare were elected members of the Soiety.

### Nominations for Membership

The following were nominated for membership:—Mr. John O'Connell, Kilkenny; Miss Mary Foley, Dublin; Messrs. Roderick McAuliffe, Drumcondra, Dublin; Patrick G. Coffey, Kilkelly, co. Mayo; Arthur G. Allshire, Dublin; Maurice Kissane, Ballyongford, co. Kerry; Miss Joan Walshe, Swinford, co. Mayo; Mr. Gabriel Griffin, Mullingar; Miss Lena Fehily, Ballineen, co. Cork; Miss Bridget M. Tarpey, Kilkelly, co. Mayo; Mr. William Patrick Shiel, Athenry, co. Galway; Mrs. Kathleen Duane, Ballinasloe, co. Galway and Mr. Daniel J. O'Connell, Dublin.

### Discussion on Formulary Committee

When routine business had been disposed of, Messrs. Kissane and McKane referred to the announcement in the Press of the appointment by the Minister for Health of a Formulary Committee, and asked if the Society had been consulted regarding the nomination of the two pharmaceutical members. The President said the Society had been informed that the committee was purely departmental, and the majority of members were medical men. The formularies being prepared were for use in dispensaries and other public institutions. Mr. Mckane said that compounders in dispensaries, many of whom were members of the Society, were concerned. It seemed extraordinary, in his view, that the Council had not been consulted in the matter. In common courtesy the Minister, or the Department of Health, should have heard the views of the Council before appointing pharmacists on the Committee. Mr. Brooke-Kelly agreed with Mr. McKane; the Pharmaceutical Society was the first body that should have been consulted.

Replying to Mr. McKane, THE PRESI-DENT said the formularies did not apply to National Health dispensing, but only to dispensaries and public institutions, so far as he could gather. SENATOR LOUGHMAN agreed that the Society should have been consulted before any pharmacists were appointed on the Committee. He suggested the Society should ask for information about the Committee's functions. The PRESIDENT said he understood that the Compounders' Association had already moved in the matter, and had sent in a protest. Mr. Cahill agreed it was a mistake that the Society had not been communicated with before the Committee was set up. Mr. Kane said that, if the Medical Association had been consulted while the Society had not, there had clearly been discrimination. Mr. Daly said it should be brought to the Minister's mind that, in matters of that kind, the Society should be consulted. The matter was left in the hands of the president who was to make The question of the representations. witholding of certain veterinary supplies, and in particular penicillin injections, from retail chemists was again raised by MR. McKane, Mr. Kissane and other provincial members, and discussed at length. The action of the Department of Agriculture issuing instructions to one large wholesale firm not to supply penicillin injections direct to pharmaceutical chemists was particularly debated, and the Department's attitude strongly criticised. A course of action was unanimously agreed upon.

At a meeting of the Benevolent Fund Committee, held at the end of the Council meeting, a number of grants were passed

for payment.

Eire Examination Results. — The following were successful in the Licence examination held by the Pharmaceutical Society of Ireland in October:—R. Godley, Mary Nagle, W. F. C. Burke (with honours); A. G. Allshire, G. D. Bagnall, J. Barton, M. B. Brophy, J. O. Callan, C. J. Clancy, Hannah C. Coffey, Eleanor M. Collins, M. J. Fahy, Lena Fehilly, Mary T. Garvey, M. Giblin, G. Griffin, M. Kissane, M. Moloney, T. Moloney, Mary C. Murphy, D. J. O'Connell, E. M. O'Donnell, G. M. O'Neill, M. J. O'Neill, S. O' Sullivan, T. Ryan, and Bridget M. Tarpey. In the assistants' examination the following were successful:—J. E. Burrell, Johanna M. Cahill, Nora P. J. Fleming, Mary P. Fox, F. G. Garvey, J. G. Gleeson, Maeve K. Keaveney, Mary C. Lambert, Mary P. Mahon, Catherine M. McCarthy, M. D. O'Kane, P. P. O'Reilly and Mary E. M. Quinn.

# GLASGOW SEMI-JUBILEE DINNER

The Glasgow and South-western Scottish Branch of the Pharmaceutical Society celebrated its semi-jubilee with a dinner held in Glasgow on October 27, Mr. Samuel Hughan (chairman) presiding. A picture appeared last week (p.641). Mr. A. Officer (secretary) read a telegram of good wishes from Mr. Thomas Guthrie (a former president of the Society). The Chairman said that the branch had been formed twenty-five years before in the rooms of the Glasgow Pharmacy Club in Hill Street. The first chairman had been Mr. Anthony McMillan, who had been keen on fostering education and who had done a great deal for pharmacy students in the west of Scotland. The Anthony McMillan prize, awarded annually, was testimony to his interest in education.

SIR HECTOR HETHERINGTON (principal, Glasgow University), proposing "The Branch," said he was the son of a phar-

macist from the southern part of Scotland Proposing "The Pharmaceutical Sciety," Dr. Stuart I. A. Laidlaw (medica officer of health, Glasgow), said that the National Health Service Act had place the responsibility for the dispensing of drugs firmly on the shoulders of the pharmaceutical profession. Pharmacy had ad vanced beyond all knowledge. The drugs of a century ago had come from source broadly similar to those from which the were obtained today, i.e., vegetable, anima or mineral. In those days pharmacy hallargely revolved round the infusion por Today the pharmacist needed a comprehensive knowledge of such things as antitoxins, serums and vaccines, vitamins glandular products and chemical substances.

Mr. W. Spence Culbert proposed "The Guests," Dr. Joseph Tait responding.

# LEICESTER PRIZE-GIVING

The distribution of prizes to students of the School of Pharmacy, Leicester College of Technology and Commerce, took place on October 27. Councillor F. Adrian Mattock (chairman, Leicester and Leicestershire Branch, Pharmaceutical Society) presided. Mr. Colin Gunn (head of the school) said there had been a record enrolment for the present session and another increase in the numbers of students taking courses leading to the Pharmaceutical Chemist Qualifying examination and the B. Pharm. degree.

The prizes were distributed by Mr. C. W. Maplethorpe (chairman of the Society's Education Committee) who, in his address, traced the development of pharmaceutical education from the early days of the Society. One of the greatest steps forward -and one for which much credit was due to the late Professor H. G. Greenish-had been the institution by London University of a degree in pharmacy, Mr. Maplethorpe said the present extended education scheme still did not go far enough. In one province of Canada, where previously no pharmaceutical course had been obligatory, a threeyear post-intermediate course had been made a legal requirement in one legislative step. In Quebec a seven-year course was a statutory requirement. Considering the position in other countries and the modern need for a wide knowledge of the vast field of pharmaceutics, he thought it was not too much to ask for a three-year course.

The prize-winners were as follows:—Mr. John K. Bratt (Branch prize, value £1 1s., for intermediate B.Pharm. course)

Miss Gwendolen Woolnough (Branch prize value £1, for Society's intermediate course, and prizes, value 10s. each, for biology, chemistry and physics).

Mr. Douglas Bryce (Branch prize, value £1 for Ph.C. and B.Pharm. course; certificates of honour in pharmacy (theoretica and practical), pharmacognosy, pharmaceutical chemistry and physiology; prize value £1 is., presented by Mr. A. H. Preston, Loughborough, for notebook).

Mr. Derek Griffiths (A. de St. Dalmas prize, value £2 2s., and Society's Codex prize).

Mr. Robert Whitman (A de St. Dalmas prize, value £1 1s., and certificate for pharmaceutical chemistry).

Miss Mary Z. Ellicock (certificates for pharmacognosy, and forensic pharmacy, B.D.H. pharmacognosy prize, value £2 10s., and dispensing prize value £5 5s., presented by Mr. George Hannon).

Mr.Kenneth J. Gillings (certificates for pharmaceutics and physiology, and the Young memorial prize, value £3 3s., presented by Ucal, Ltd.).
Mr. John K. Price (prize value £2 2s.,

Mr. John K. Price (prize value £2 2s., awarded by the schools advisory committee for public spirit and progress).

# CORRESPONDENCE

### "Fantastic" Salaries

SIR,—I heartily endorse the remarks of Ex Service Pharmacist" in your issue of ovember 13 (p. 615). We who have been the Forces in mid-career have had poportunity to gain only experience—not apital.

A. N. OTHER.

## nterest on Arrears of Payment

SIR,—I note the National Pharmaceutial Union has at last resolved to press for per cent. interest on all N.H.S. accounts nat are three months overdue. I trust at three months overdue means that iterest should be paid for all accounts nat have not been settled eighty-four days fter the last day of the month during hich the prescriptions were dispensed, oubtless the N.P.U. will send a deputation to the banks insisting that overdraft pharmacists shall likewise be made at 3 er cent. interest per annum!

Yours faithfully, Ripley, Surrey. Kenneth E. White,

Not Quite So Old as That!

Sirs,—With reference to the article Life Story of a Business" (C. & D., Iovember 6, p. 595) I would point ut an error in the last sentence. qualified in April 1912. If the statement one of whose sons had already passed the finor examination" had come higher in he paragraph after the mention of my ather's name in connection with the founation of Mawson & Proctor, Ltd., in 1912, should not have been made out to be inety-three years old.

Yours faithfully, W. Douglas Clague.

[Our apologies to Mr. Clague, and our opes that he will reach that venerable age n due course.—Editor.]

# Work of the Statutory Committee

SIR,—With reference to the report in your November 6 issue on the address I gave on the work of the Statutory Committee, would like to point out that there are wo mistakes in this. The first concerns he statement that the Committee was set up by the order of the Privy Council. This should read "the Committee was established by the Pharmacy and Poisons Act, 1933." The second concerns the statement that warnings have been issued, among other things, for "the lending of names for

advertisements relating to the prescribing of drugs for certain incurable diseases." This should read: "for associating with offers to diagnose by post."

Yours faithfully, London, W.C.I. F. W. ADAMS.

### One-man Rotas

SIR,—The endeavours of the National Pharmaceutical Union to fix rota hours in one-man rural areas are bound to result in failure. Such an arrangement should surely be made by local Executive Councils, because conditions vary in different areas within the same county. In this area, surgery hour in the evening does not start until 6 p.m., therefore a rota until 6.30 p.m. is useless, as it is found that over 90 per cent. of prescriptions received at night are after 6.30. Again, there is no evening surgery on Wednesdays and Fridays, so there is no point in remaining open. On Sundays there are no surgery hours at all, and consequently no prescriptions. My point is that local arrangements, if made, must be of value to the community.

Oxford. R. Reavley.

# H 11 Defended

SIR,—In your issue of October 23 (p. 524), you briefly quote the report of the Medical Research Council, published in the "British Medical Journal," on the work of these laboratories. We would like to draw your attention to a statement in reply to the criticisms contained in this report, which has been published in the "British Medical Journal" of November 6, and hope that you may see fit to give the same publicity to our statement as to the report of the Medical Research Council. We would also like to draw your attention to a statement, from an independent source, published in the "Medical World" of November 5.

G. J. W. Ollerenshaw, Clinical Director. J. H. Thompson, Director of Research.

Sunbury-on-Thames.

[The writers' letter in the "B.M.J." is essentially a denial that the report complied with the terms of reference of the committee, namely "to examine the evidence upon which the claim is based that H II is of value in the treatment of cancer in human beings." The cases investigated, they state, numbered only 2.7 per cent. of the total recorded, and were not a random sample as claimed.—Editor.

# TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quan ties of standard quality. Prices of crude drugs and essential oils vary as to brand or grad 28 Essex Street, W.C.2, Nov. 17

ACTIVITY in PHARMACEUTICAL and FINE CHEMICALS during the past week has been on a moderate scale both for export and home trade. Revisions of prices have been for in a manufacture of the pricinal change being the pricinal chang few in number, the principal change being a reduction in the rates for THEOBROMINE. The Alkaloid has been reduced by 3s. per lb. and the Preparations by 1s. 3d, per lb. In 28-lb. lots, the new price of alkaloid is 37s. 6d., with effect from today. Prices of the preparations, for similar quantities, are: Calcium salicylate and Sodium expressions. 6d. per lb. Other price changes include an increase of 5s. 6d. per cwt. for ZINC SUL-PHATE, owing to the recent rise in the cost of metal. 1-cwt. lots are now quoted at 50s, per cwt. It is understood that makers will shortly be revising their prices of

other zinc salts. Interest in BOTANICAL DRUGS is still limited to comparatively few articles and, although it is evident that in order to make headway some holders are inclined to accept reasonable bids, there is no general disposition towards a downward revision of prices. In some instances there have been firmer markets, such as Ergot, supplies of which are now in small compass on the spot and command 6s. per lb.; forward offers of this drug from Portugal range from 6s. to 7s. per lb., c.i.f. Rhubarb is another drug which is attracting considerable interest. Prices of sound Chinese rough-round on spot are slightly higher and there has been no improvement in the and there has been no improvement in the forward position. French Gentian is reported to be tending easier at origin. It is understood that Hamburg has been interested in a number of drugs for supplying Western Germany and has been inquiring in London. Nicaraguan IPECACUANHA continues to attract inquiry and there are now few, if any, first-hand sellers of December-January shipment. SENEGA is easier with most holders quoting 9s. per lb. In other sections of the markets, Peru Balsam and Tolu Balsam are slightly easier. Spot quotations for Shellac are 10s. per cwt. lower on the week. A fair business has been done in Dar-es-Salaam Beeswax but other waxes have been quiet. No import other waxes have been quiet. No import licences are at present being issued for CANDELILLA WAX. Brazil MENTHOL is CANDELILLA WAX. Brazil MENTHOL is steady. Japan has been offering menthol at 50s. per lb., f.o.b., and also supplies of CAMPHOR and PEPPERMINT OIL, but no import licences are being grantel for these products. Business in ESSENTIAL OILS has been on a moderate scale at former prices. Java CITRONELLA continues firm and any available supplies on the spot would command a price of 7s. 6d. per lb. Mysore SANDALWOOD, recently decontrolled, is offered at from 60s. per lb., spot.

U.S. Drug and Chemical Repo New York, November 1

A SEASONAL expansion in demand f PHARMACEUTICAL CHEMICALS is expect shortly. No large increase is expecte however, in sales of PENICILLIN, and the drug is understood to be in adequate su ply to meet normal requirements. MENTHO is receiving a moderate demand; approimately tentons of menthol arrive recently from the Far East and Brazilrecently from the Far East and Brazil-135 cases from the East and the balan from Brazil. It is understood that a American firm is to acquire a substanti interest in Italy's CITRIC ACID manufa ture. Italian output last year is believe to have totalled about 200 tons, against the pre-war annual average of around 370 ton Demand for the product in New York maintained at a good rate.

CRUDE DRUGS may soon move into fairly firm position on the market, by longer-term prospects indicate a period of somewhat limited demand. Unless buyin proves substantial, the lengthy period of mild weather will eventually be reflected in market prices. For the time being, how ever, the need to cover winter requirement should help to check the recent easing i this section. Articles which should bene fit from the seasonal call are COCILLAN BARK. GUM ACACIA, BALSAMS, CHERRY BARK, HOREHOUND HERB, etc. BALSAMS,

## Pharmaceutical Chemicals

BARBITONE.—Base and soluble are offere at prices from 43s. 6d. to 46s. per lb.

BARIUM SULPHATE (x-ray).—Prices ar unchanged. 1 cwt., 1s. 3d. per lb. Schedul rates per lb. (containers in brackets), fo quantities between 28 lb. and 1 cwt. ar as follows: 1s. 8d. (1-lb.), 1s. 7d. (2-lb.) 1s.  $6\frac{1}{2}$ d. (4-lb.), 1s.  $5\frac{1}{2}$ d. (7-lb.), 1s. 5d (14-lb.), 1s. 4d. (28-lb.).

BISMUTH SALTS.—A progressive im provement in supplies reported. Makers rates per cwt. are: Carbonate, 14s. 7d. Citrate, 12s. 3d.; Salicylate and Subnitrate, 12s. 6d.; Subgallate, 15s. 6d oxychloride, 16s. 8d.; Nitrate, 8s. 8d. Oxide, 17s. 2d.; Salicylate (40 per cent.) 12s.; Tribromphenate, 23s. 3d.

Cocaine.—Rates per oz. are as follows: COCAINE.—Rates per oz. are as follows: ALKALOID, CITRATE, and SALICYLATE, bot tles, \(\frac{1}{2}\)-oz., 63s.; \(\frac{1}{2}\)-oz., 59s. 6d.; \(\frac{1}{2}\)-oz., 56s. 6d.; \(\frac{1}{2}\)-oz., 55s. 6d.; \(\frac{1}{2}\)-oz., 55s. 8-oz., 54s. 3d.; \(\frac{1}{2}\)-oz., 53s. \(\frac{1}{2}\)-oz., 53s. \(\frac{1}{2}\)-oz., 53s. \(\frac{1}{2}\)-oz., 56s.; \(\frac{1}{2}\)-oz., 50s.; \(\frac{1}{2}\)-oz., 56s.; \(\frac{1}{2}\)-oz., 50s.; \(\frac{1}{2}\)-oz., 6d.; \(\frac{1}{2}\)-oz., 48s. 6d.; \(\frac{1}{2}\)-oz., 47s. 3d.; \(\frac{1}{2}\)-oz., 46s. 9d.; tins. 25-oz., 46s. The quotations include cost of containers. containers.

CREAM OF TARTAR.—Current rates for the nome trade: 10-cwt. lots, 153s. per cwt.; 5 to 10 cwt., 154s.; less than 5 cwt. and more than 2-cwt., 155s.; less than 2-cwt. and more than 1-cwt., 157s.

Creosote.—B.P. quality, ex beechwood, quoted at from 7s. per lb., upwards.

CRESOL,-Controlled price of B.P. quality from distillers is 4s. 6d. per gall., ex

sellers' premises.

EMETINE.—Makers' rates per oz. are as bellows: Hydrochloride, 1 oz., 187s.; 4 oz., 180s.; 16 oz., 177s. 6d.; 32 oz., 175s. Hismuth iodide, 1 oz., 96s. 6d.; 4 oz., 95s.; 16 oz., 93s. 6d.; 32 oz., 92s.

ETHYLMORPHINE. — Home trade prices per oz.: Alkaloto, ½ oz., 57s. 6d.; 1 oz., 55s.: 2 oz., 53s. 6d.; 3 oz., 52s. 9d.; 4 oz., 52s. 6d. Hydrochloride, ½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

Hydroquinone.—Bulk rates are as follows: 10-cwt., 9s. 6d.; 5-cwt., 9s. 9d.; 1-cwt., 10s.; 28-lb., 11s.; 14-lb., 11s. 3d.; 7-lb., 11s. 6d. per lb. Carriage paid in U.K.

MERCURY SALTS.—Makers' rates per lb. for 1-cwt. lots are: Ammonium chloride, B.P., lump, 7s. 8d., powder, 7s. 10d.; Yeelow oxide, B.P., and Red oxide B.P.C., 8s. 4d. Bichloride, B.P. lump, B.P.C., 8s. 4d. BICHLORIDE, B.P. lump, 7s., powder, 6s. 5d.; MERCUROUS CHLORIDE, B.P., 7s. 10d. Quotations for small quantities of Mercury with chalk, B.P., are at 4s. 9d., for Mercuric Cyanide, 18s. 9d., and for Oleate, B.P., 5s. per lb.

Morphine.—Prices per oz. current in the

MORPHINE.—Frices per oz. current in the home market are: Alkaloid, ½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. Hydrochloride, ½ oz., 46s. 9d.; 1 oz., 44s. 3d.; 2 oz., 42s.; 4 oz., 41s. 9d.; BIMECONATE and TARTRATE, as Alkaloid; ACETATE, Hydrogromide and Sulphate, as

HYDROCHLORIDE.

PANCREATIN.—Price of B.P. material is from 13s. 6d. to 16s. 6d. per lb., according to quantity.

ROCHELLE SALT.—Current rates per cwt. for powder are: 1 cwt., 152s. 6d.; 5 cwt., 150s. Seidlitz powder, ordinary strength is quoted at 118s. 9d.: extra strong, 128s.: and double strength, 133s. 3d. per cwt.

and double strength, 133s. 3d. per cwt.

Valerianates.—Prices are unchanged.
Ammonium, 14 lb., 37s. 6d.; 7 lb., 38s. 6d.;
1 lb., 39s. per lb. Amyll, 14 lb., 23s. 6d.;
7 lb., 25s.; 1 lb., 26s. per lb. Caffeine,
14 lb., 105s.; 7 lb. 107s. 6d.; 1 lb., 110s.
per lb. Calcium, 14 lb., 33s.; 7 lb. 34s.;
1 lb., 34s. 6d. per lb. Ethyll, 14 lb.,
32s. 6d.; 7 lb., 33s.; 1 lb., 34s. per lb.
Iron, 14 lb., 53s.; 7 lb., 54s. 6d.; 1 lb.,
55s. 6d. per lb. Menthyl, 14 lb., 57s. 6d.;
7 lb., 58s.; 1 lb., 59s. per lb. Methyl,
14 lb., 32s. 6d.; 7 lb., 33s.; 1 lb., 34s. per
lb. Quinine (B.P.C.), 100 oz., 12s.; 50
oz., 12s. 6d.; 20 oz., 13s. 6d. per oz. Zing,
14 lb., 53s.; 7 lb., 54s. 6d.; 1 lb., 55s. 6d.
per lb. per lb.

### Crude Drugs

Aconite.—Steady. Indian on spot is quoted at 300s. per cwt.; Napellus, offered at 3s. 10½d. to 4s. 3d., duty paid.

AGAR.—Steady. A fair inquiry for Japanese strip which is offered at 16s. to 18s. per lb., duty paid, according to quality and holder; forward, 14s. to 15s., c.i.f. South African powder, in tins in cases, quoted at 20s. per lb., spot.

Aloes.—Cape on the spot is offered at from 107s, 6d. to 115s., as to quality and seller. Curação in boxes, 200s. to 220s. per cwt., as to quality. Socotrine, 160s. to

180s. per cwt., spot.

Antimony.—Metal prices are: 99.6 per cent., regulus, £210 per ton, delivered; 99 per cent., £200; 70 per cent. crude, £165.

Areca nuts.—Ceylon is offering at 65s.

per cwt., spot London.

ARNICA.—Flowers on spot are offered at prices from 1s. 9d. to 2s. 3d. per lb.

Asafetida.—Persian block on spot is steady at from £14 10s. to £24 per cwt.,

according to quality and seller.

BALSAMS.—Canada on spot is offered from 18s. 6d. to 19s. 6d. per lb. Pará Copaiba (soluble). 4s. 9d. to 5s. per lb., spot. San Salvador, Peru, is quoted at from 4s. 9d. to 5s. 3d. per lb., duty paid. Tolu on spot continues easier at 14s. 6d. to 15s. per lb.

BAY LEAVES .- Quotations are steady at

from 11d. to 1s. per lb., duty paid.

Belladonna.—Yugoslav root is quoted at from 4s. 6d. to 4s. 9d. per lb., duty paid, as to test; English leaves are offering at from 4s. 9d. (0.546 per cent.) per lb.

BENZOIN.—Sumatra block on the spot is now quoted from £14 10s. to £16 per cwt., as to quality; Sumatra almonds, £52 10s. Siam free almonds, on the spot, £120 per cwt.

BISMUTH.—Metal is steady at 10s. 9d. per lb. for minimum 5-cwt. lots.

BLACK HAW BARK .- Quotations for tree bark are about 3s. 3d. per lb., duty paid.

Buchu.—Short rounds on spot are worth 4s. per lb. Ovals are offered at 3s. 6d. per Îb.

Calabar Beans.—Steady. Spot quotations are from 10½d. to 11d. per lb.

Calumba.—Natural root on spot is offered at about 77s. 6d. per cwt.

Camphor.—Steady. In fair request. Chinese tablets are offered at from 8s. 6d

to 9s. 6d.; refined powder (B.P.). 7s. to 7s. 6d.; B.B. grade, 6s. 9d.; slabs (2½-lb.) from 7s. 3d.; crude powder, 6s. per lb., all spot London, duty paid.

Cantharides. — Little interest shown. Spot quotations for Chinese are at about 8s. 3d. per lb.; shipment, 4s. 6d., c.i.f.

CASCARILLA.—Quiet. Quills are quoted at 1s. 5d. to 1s. 7d. per lb., spot; siftings, 1s. 4d. to 1s. 5d.

CAPSICUMS.—African on spot is offered at from 80s. to 130s. per cwt., as to quality.

Cascarasagrada.—Prices are unchanged. 1947 peel on spot is offering at from 200s. to 210s. per cwt.; 1946, 240s. New-crop is quoted at 195s. per cwt., duty pail, ex wharf.

Cassia pods (C. fistula).—Prices of East Indian are around 65s. per cwt., ex wharf.

Chillies.—Mombasa on spot, 110s. per cwt.; forward firm at 105s., c.i.f. Nigerian, spot, 85s. per cwt.; Japanese-type, 150s., spot.

CINNAMON.—Spot quotations for 0000 are at from 2s. 9d. per lb.; quillings are offered at 1s. 5d., featherings at 1s. 3d. and chips at 5d. per lb.

CLOVES.—Zanzibar, spot, quoted at 10½d. per lb.; shipment, 11d., c.i.f. Madagascar, spot, 9d., duty paid; shipment, 7½d., c.i.f. Penang, spot, 2s. 9d. to 3s. per lb.

COCHINEAL.—Quiet. Silver greys, steady at 4s. 3d. per lb., spot, blacks, 4s. 6d.

COCOA BUTTER. — Maximum controlled

price is 4s. 11½d. per lb., delivered. COLCHICUM.—Corms on the spot, offered at prices from 6s. to 6s. 6d. per lb. Seeds are quoted at 13s. per lb., spot.

Colocynth.—Pulp on the spot is offered at prices from 1s.  $7\frac{1}{2}d$ , to 2s. per lb.

CUBEBS.—Spot quotations are at 3s. 9d. per lb., duty paid.

Derris root.—Controlled price of the root and "other rotenone materials" is 2s. 4d. per lb., ex warehouse.

Dragons blood.—Singapore reboiled No. 1, £65 per cwt., spot; No. 2, £50 per cwt.

ELEMI.—Steady. Manila No. 1 on the spot is quoted 2s. 3d. per lb.

EPHEDRA.—Herb is offered at around 62s, 6d, to 67s, 6d, per cwt., ex wharf.

Ergot.—Firm. Holders of spot supplies have been quoting 6s, per lb. Offers from Portugal for shipment are few and prices have ranged from 6s. to 7s. per lb., c.i.f.

Frangula.—Bark is offered at from 170s. to 190s. per cwt., as to holder.

Galls.—Steady. Persian blues quoted on spot at 260s. per cwt.

GAMBOGE.—Siam pipe on the spot is offered at £50 per cwt., duty paid.

GENTIAN.—French natural on spot is quoted at from 60s. per cwt.; sliced root is offered at 75s., spot.

GINGER.—African on spot is quoted at 85s, per cwt. Jamaican No. 1 quoted at 130s, to 132s,; No. 2, 127s, 6d.; No. 3 is nominal at 122s, 6d. per cwt., spot.

Gum acacia.—A fair demand for spot and forward supplies of Kordofan cleaned sorts. Spot quotations are at 66s. per cwt.; November-December current-crop, 59s. 6d., c.i.f.; January-February, new-crop, 60s., c.i.f. Bleached No. 1, 125s., ex store; to arrive, 115s., c.i.f. Talha, 45s., ex warehouse; shipment, 40s. 6d. per lb., c.i.f.

IPECACUANHA.—Spot quotations are unchanged at 22s. 6d. per lb. Shipment, no first-hand sellers of December-January January-February, 18s., c.i.f.

LEMON PEEL.—Supplies are available or spot at 9d. per lb., duty paid.

LEPTANDRA ROOT.—A parcel is offered ex wharf at 3s. 3d. per lb.

LIQUORICE. — Anatolian natural, spot from 47s. 6d. to 50s. per cwt., as to holder; Syrian, 40s.; Russian, 45s. 6d. to 46s. Italian block, 275s. per cwt., spot; Italian stick, from £375 to £560 per ton, as to quantity and grade. Turkish block, from £25s. per cwt.; American block, 160s. per cwt.

Menthol.—Steady. Brazil on spot is offered at from 45s. per lb., duty paid; in bond, 43s.; forward, 45s. 6d., c.i.f.

NUTMEG. — West Indian 80's, spot, 3s. 3d.; sound unassorted, 2s. 10d.; wormy and broken, 1s. 8d. per lb.

PIMENTO.—Quotations are from 1s. 2½d. to 1s. 3d. per lb., spot; to arrive, 119s. per cwt., c.i.f.

PODOPHYLLUM.—Steady. American (pel-tatum), spot London, 280s. per cwt, Indian (emodi), from 315s. to 320s., spot; forward, 290s. per cwt., c.i.f.

PSYLLIUM SEED.—French black is quoted at 2s. per lb., duty paid; Indian (isphagula), 120s. per cwt., spot.

QUASSIA.—Spot quotations for chips are 35s. to 36s. per cwt., as to holder.

QUILLAIA.—Natural bark is offering at 92s. 6d. per cwt., spot; cut is offered at 125s., and crushed at 120s.

QUINCE SEEDS.—Steady. Cape on spot is quoted from 4s. 3d. to 5s. per lb.

RHATANY.—No inquiry. Spot quotations are at 9d. per lb.

Rhubarb.—Spot prices of Chinese roughround are from 4s. 3d. to 5s. per lb., according to fracture; wormy, 2s. 6d. to 3s. Chinese rhapontic on spot is quoted at 3s. per lb.; Indian rhapontic is offered at 1s. per lb.; French, 1s. 6d.

Sandarac. — Spot quotations are at 5s. 6d. per lb.; 5s., c.i.f.

SARSAPARILLA.—Jamaican native red on spot is steady at from 2s, 1d, to 2s, 2d, per lb., as to seller. A parcel of grey, now landing, is offered at about 4s, 3d, per lb.

SCAMMONY.—Root (15.8 per cent, resin) on spot is quoted at 65s, per cwt.

SEEDS.—A quiet market. ANISE.—Cyprus, 1s. 5d. per lb., and Turkish, 1s. 4d. per lb., duty paid, spot London. Carawax. Sellers of Dutch at 117s. 6d. per cwt., duty paid, spot London. CELERY.—Still no interest shown in Indian at 1s. 2d. per lb. spot London or Liverpool. CORIANDER.—No business reported during the past week. Argentine, quoted at 40s. per cwt., duty paid, ex store London or Liverpool; Morocco, offered at 41s. per cwt., duty paid in London. CUMIN.—Very little demand. Indian is 185s. per cwt., spot Liverpool;

Cyprus is now quoted at 190s. per cwt. in London. DILL.—Indian is 47s. 6d. per cwt., pot London, and 47s. ex store Liverpool. CENNEL.—Indian, quoted at 72s. 6d. per wt. spot London, and 71s., ex store Liver-pool. FENUGREEK.—Market firm, Indian, Morocco, 54s. to 55s. per cwt., duty paid, x store London or Liverpool;

SENEGA.—Easier. Spot quotations are around 9s. per lb.; forward, 8s. 6d. to 8s. 9d. per lb., c.i.f. Business has been small. SENNA.—Steady. Business has been restricted in volume. Tinnevelly leaves, spot. No. 1, 9d. to 1s. per lb.; No. 2, 7½d. to 3d.; No. 3. 5d. to 5½d.; Tinnevelly pods, hand-picked, 9d. to 1s. 4d.; manufacturing, 1½d. to 5½d. Alexandrian pods, hand-picked, spot, from 4s. 9d. to 5s. 9d., according to quality and seller; medium, 2, 9d.; meanufacturing, from 1s. to 1s. 9d. 2s. 9d.; manufacturing, from 1s. to 1s. 9d. per lb.; Alexandrian leaves, f.a.q., 1s. 2d.

SHELLAC.—Easier. Spot quotations, ex London warehouse, are: F.O.T.N. pure, 335s.; F.O. Standard 1, 342s. 6d.; fine orange, 350s. to 390s. per cwt.

SQUILL.—Italian white, 63s. to 65s. per cwt., spot, according to quality and seller. STRAMONIUM.—Indian on spot is offered at 55s. per cwt.; little inquiry received.

Strophanthus.—Steady. 100 per cent. Kombé is steady at 11s. to 11s. 6d. per lb. spot; gratus, 15s., spot.

STYRAX.—Limited supplies are reported offering at 7s. 6d. per lb., duty paid.

Tonka Beans .- Steady. Spot quotations are at 5s. 9d. per lb. for blacks.

TRAGACANTH.—Steady. Selected white £90 per cwt.; other white grades, from £55 to £85; pale leaf, £35 to £40; amber, £20 to £27; red, £14; hoggy, about £10 10s.

TURMERIC.-Madras finger on spot is

from 115s. to 117s. 6d. per cwt.

changed at 2s. 10½d. per lb.

Uvæ ursi.—Spot quotations, ex wharf London, are around 80s. per cwt.

VALERIAN.—Belgian root on spot, from 130s. to 145s. per cwt.; cut, 165s. per cwt. Waxes .- Forward business has been done WAXES.—Forward business has been done in Dar-es-Salaam BEES' at 310s. per cwt., c.i.f.; spot quotation is unchanged at 335s. Benguela is offered at 335s. per cwt., duty paid; in bond, 310s.; forward, 300s., c.i.f. CANDELILLA.—Spot quotations are at 380s. per cwt.; forward, 375s., c.i.f. nominal. CARNAUBA.—Prime yellow, easier at 720s., spot; shipment, 650s. per cwt., c.i.f. Fatty grey is now offering at 465s.; shipment, 435s. per cwt., c.i.f. Chalky grey is 440s., spot; 415s. per cwt., c.i.f. MONTAN.—Reibeck, 300s., spot; Czechoslovak crude, 270s. per cwt. Ouricuri.—1 per cent. 270s. per cwt. Ouriouri.—1 per cent., 430s. per cwt. c.i.f. Supplies of 1 per cent. on spot have been cleared. 2.5 per cent., 437s.; 6 per cent., 422s. 6d.; 9 per cent., 407s. 6d. per cwt., all spot London. Spermaceri. — Spot quotations are unchanged et 2s 101d nor lb.

#### Essential and Expressed Oils

ALMOND .- Steady. Sweet oil, B.P., is quoted at from 5s. to 6s. per lb. Bitter essential oil is offered at from 27s. 6d. to 40s. per lb., as to quality.

ANISE.—Chinese star, in drums, is quoted at 5s. to 5s. 3d. per lb., with up to 6s. for smalls; shipment, firm at 5s., c.i.f.

BAY.—West Indian on the spot is quoted

at 7s. 6d. per lb.

Camphor.—White oil on spot is quoted at from 2s. 6d. to 2s. 8d. per lb., duty paid.

CARAWAY.—English-distilled is offering at 37s. to 40s.; imported, 28s. to 30s. per

Cassia.—Spot supplies are quoted at from 13s, 6d. to 15s. per lb.; shipment, 9s. 6d., c.i.f.

Castor.—B.P. quality is priced at £176 per ton, naked ex works. In 45-gall. drums, oil is quoted at 16s, 11d. per gall., carriage paid.

CINNAMON.—B.P. oil, 60s. to 70s. per lb. Bark oil is offered at 12s. per oz. Leaf

oil, on the spot, 7s. to 9s. per lb.

CITRONELLA.—Ceylon is quoted at 3s. 7d. per lb., spot, forward, 3s. 7d., c.i.f., nominal. Java on spot is firm at 7s. 6d. per lb.; shipment is quoted at 5s. 10d. to 5s. 11d., c.i.f.

CLOVE.—Steady. Quotations for English-distilled bud oil are at from 10s. 6d. to 12s. per lb., according to quantity.

CORIANDER.—English-distilled is quoted

at about 275s. per lb.

Cubebs.—Prices of English-distilled oil are around 55s. per lb.

CUMIN.—English-distilled oil is quoted at 72s. 6d. per lb.

Dill.—Prices of English-distilled oil are around 70s. per lb. In short supply.

EUCALYPTUS.—Steady. 70-75 per cent. (B.P.), 3s, 6d. per lb. for drums, and up to 5s. for smaller quantities; shipment, 3s. 8d., c.i.f.

GERANIUM.—Bourbon is offered on spot at from 47s. to 55s. per lb., as to grade.

GINGER.—Prices are from 85s. to 100s. per lb., according to grade and seller.

LAVANDIN.—Spot quotations for new-crop oil are from 7s. to 8s. per lb.

LEMONGRASS. — Spot quotations are around 5s. 6d. per lb. with up to 6s. 6d. for smalls; shipment, 5s. 2d., c.i.f.

Lime.—Quotations are from 27s. to 30s. per lb., spot, as to quantity.

Palmarosa.—Nominal on spot at 35s. per lb.; new-crop, 28s. 6d., c.i.f.

Patchouli.—Singapore on the spot is quoted at from 27s. to 30s. per lb. Seychelles oil is at about the same prices.

Sandalwood.—English-distilled, in limited supply, is quoted at 75s, to 90s, per lb. Mysore oil is offered at from 60s, to 65s., as to quantity and seller.

#### TRADE MARKS

(From the "Trade Marks Journal," November 3) "Bladex"; by Shell Chemicals, Ltd., London, E.C.3; 665,748-49. For agricultural and horticultural chemicals (1); for insecticides (5).
"Brillo" on design for wrapper; by Brillo Manufacturing Co. of Great Britain, Ltd., London, Co. of Great Britain, Ltd., London

don, N.W.10; 648,476-78. For detergents and soap (3).

"PARFUMS MASSENET" in distinctive lettering; by Parfums Massenet, Is B656,128. For perfumes (3). Inc., New York;

"Montansier Parfumeur Paris-France, Colombes (Seine), France; B659,119. "Vip"; by Pure Products, Ltd., Nottingham; 662,433. "Prano"; by Max Gate, Ltd., Birmingham; 664,895. "Dathos"; by F. W. Hampshire & Co., Ltd., Derby; 665,515. "ARANIUM"; by Aranol, Ltd., Welwyn Garden City; 665,584. "Temple Farm"; by Osborne, Garrett & Co., Ltd., London, W.1; 666,100. For non-medi-

cated toilet preparations (3).
"Novo-Sope" on label design including two figures; by Leda Chemicals, Ltd., London,

N.19; 661,460. For soap (3).

"BANDBOX"; by Ashe Laboratories, Ltd., London, S.W.1; B663,822. For all goods (3). "Zwuiv"; by F. Brayshaw & Son, Bradford; 665,550. For detergents (3).

"ULTRENE"; by Ulster Chemists, Ltd., Belfast; 652,082. For pharmaceutical preparations and substances, surgical plasters and bandages, etc.

"APERITON"; by Boots Pure Drug Co., Ltd., Nottingham; 656,731. For medicinal tonic pre-

parations for the liver (5).

"RIDDOCILLIN"; by Riddell Products, Ltd., London, W.1; 658,899. For pharmaceutical pre-

parations of penicillin (5).

"MILTON" in circular design; by Milton Anti-septic, Ltd., London, N.7; 660,692. For disinfectants, insect and vermin-destroying preparations, veterinary preparations and antiseptics (5).

"SUPPLIVITE"; by Reynolds & Branson, Ltd., Leeds; 661,329. "DILLEX"; by Alpha Pharma-ceuticals, Ltd., London, S.W.4; 664,828. For pharmaceutical preparations, sanitary substances and infants' and invalids' foods (5).

"YA" in distinctive lettering; by Yaso Medicinal S.A., Barcelona; 661,661. For pharmaceutical preparations and substances, and disinfec-

tants (5).

"FEMINOLA"; by Stablond Laboratories, Ltd., London, W.1; 662,224. For pharmaceutical preparations and substances for use in the treat-

ment of women's ailments (5).

"AMIDACTIN"; by Parke, Davis & Co., Detroit; 662,876. "CENOLATE"; by Abbott Laboratories (England), Ltd., Perivale; 663,957. "FURA-LONE "; by Roussel Laboratories, Ltd., London, W.1; 664,129. "RALTENETTES"; by Resofopo, Ltd., London, S.W.1; 664,642. For pharmaceutical preparations and substances (5).

"Tyrozets"; by Sharp & Dohme, Ltd., Hoddesdon; 664.323. "Perodex"; by Deodor-X Co. of England, Ltd., Liverpool; 665,230. For all

goods (5).

"TRONSCAL R.W.3." (letters "R.W.2." disclaimed); by Ashton Products, Ltd., Liverpool; 664,917. For germicides, disinfectants and sanitary substances (5).

"ASMAOP"; by Leadbitter & Son, Ltd., Sunderland; B665,039. For pharmaceutical preparations for use in the treatment of asthma (5).

"PARD"; by Gaines Animal Foods, Ltd., London, W.C.2; 665,478. For veterinary preparations (5).

"ADEMCO"; by the Adhesive Dry Mounting Co., Ltd., London, E.C.4; 666,333. For photographic and optical apparatus and instruments (9).

"AIM"; by Allied Instrument Manufacturers, Ltd., London, N.W.1; 664,725. For ophthalmic instruments and parts thereof (10).

"FAIRYTEX"; by Mantrade Products, Ltd., London, W.C.1; 665,964. For teats and valves for

feeding-bottles, and baby soothers (10).
"Acme"; by Acme Tin Stamping Co., Ltd.,
Manchester, 9; 640,788. For combs and brushes (21).

"A SAINT HILARION SPONGE" in distinctive lettering; by W. H. Stewart & Co., Ltd., London, E.C.3; 664,637. For natural sponges (21). "CRESADU"; by Francis Charles Hunt, London,

W.1; 665,147. For brushes and toilet utensils, and combs (21).

#### FIFTY YEARS AGO Company Pharmacy

(From the C. & D., November 19, 1898) THE chairman [at a dinner of the Western Pharmacists' Association] next proposed "The Pharmaceutical Society," to which the president (Mr. W. Hills) replied. . . . Some gentlemen [he said] had stated that is was impossible to prevent company-trading. He recognised that things were get-Companies were ting worse and 'worse. increasing their position, and, unfortunately, the Pharmaceutical Society had no means of counteracting this state of things. It was possible that the Government might next Session bring in some measure dealing with companies which may give the Society an opportunity. They might, of course, draft a Bill themselves, making it illegal for companies to practise pharmacy. Such a Bill would meet with great opposition in Parliament, though, he thought, if it were possible for him to have half an hour with every M.P., he could convince him that it was in the interest of the pub-The opposition to company trading, lic. to be of any use, must be retrospective; but the House of Commons had strong views on the subject of existing rights, and if a suggestion of this kind were made there would be a strong feeling that all the companies then in existence should be placed on the register.



Dost thou rise at seven in the morning, dost thou bend thy mind attentively to business, dost thou cheerfully ask leave for every absence and give a faithful account of thy time?"

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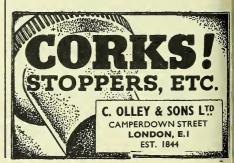
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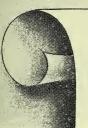
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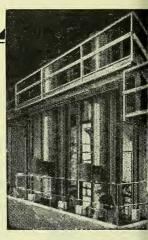
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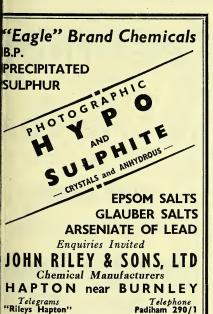
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f you have no supplies when a ratient needs M28—there's one sale ost for at least 28 days.

A.T.A.

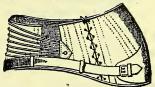
TRADE COST PER DOZEN 24/TAX PER BOTTLE 86
FETAIL PRICE PER BOTTLE 3/8d

NOCLINICAL LABORATORIES LTD.. Dartmouth Street, Westminster, S.W.1

## "Clifton"

SURGICAL APPLIANCES and SUNDRIES ABDOMINAL BELTS and CORSETS SUSPENSORY BANDAGES JOCK STRAPS ELASTIC HOSIERY

TRUSSES · CHEMISTS SUNDRIES



Prescription Belts a Speciality

Made to Measure

Write for price list

CHARLES WILLIAMS & Co.

(Propr.: A. G. Price)

ONEY STREET . REEST

NOTTS



IT'S THE BEST TAMPON VALUE ON THE MARKET!

175 QUICK SALES MEAN QUICK PROFITS!





IT'S WELL ADVERTISED - AND DISPLAY MATERIAL IS AVAILABLE NOW!



MODERN INSERTION TYPE SANITARY PROTECTION

\* Holly-pax appeals to women because of its excellent value-quite apart from its great advantages and amazing compactness. It's equally attractive to stockists because it sells quickly, meaning quick profits.

Sole Distributors:

FASSETT & JOHNSON LTD.

86 Clerkenwell Road, London, E.C.I

## Britain's trusted Brand

Through the time of shortages it was our watchword to keep faith with trade and public. First by maintaining to the utmost possible, the quality associated with the name Softex; secondly by sharing fairly the slender supplies. We deeply appreciate the understanding and co-operation of our friends in the Trade in those days. Now, Softex of pre-warquality is available; new machinery has enabled

SOFT SOFTER SOFTEX

either reduction in price or more sheets at the same cost. We have been able to supply some new customers on our long waiting list in districts where Softex has been unobtainable. We ask the patience of the rest, and look forward to the time when we can fully satisfy the demand for Britain's trusted Brand.

SWAN MILL PAPER

COMPANY LIMITED

92 REGENT STREET, LONDON, W.I FACTORY: SWANLEY, KENT

BACKACHE Johnsonir (RED CHAIN KIDNEY PLASTER) STILL THE BEST

Trade: 20/- a doz., plus 6/8 Tax - 26/8 doz. Minimum Retail: 3/1 each, Purchase Tax include

MANUFACTURED IN ENGLAND BY

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# **OPTREX**PRODUCTS

- **OPTREX:** A scientific eye lotion, sterile, and carefully balanced in its ingredients, which is produced under conditions of clinical asepsis. Approved by doctors, oculists and opticians; cansafely be used for all eyes, of all ages, at all times.
- **FAMEL SYRUP:** For coughs, colds, influenza and bronchial troubles. Gets to the root of the cough because it contains soluble Lacto-creosote, which goes to the lungs and breathing passages and there destroys the germs.
- ★ OPTULLE: An open-mesh, sterile, non-adherent dressing, impregnated with a special petroleum compound. Mildly antiseptic and non-irritant. Greatly facilitates dressing and re-dressing of burns, septic wounds, indolent wounds, sloughs, varicose ulcers and fractures. Packed in tins, containing 24 pieces, also in continuous strips 5 yards long by 8 inches wide.
- ★ SULPHONA-TULLE: Of outstanding value for treatment of burns, and in other cases where sulphanilamide is indicated. An open-mesh dressing impregnated with an emulsion containing 10% Sulphanilamide. Supplied in a small light compact case. In continuous strips, 5 yards by 3½ inches, ready for instant use.
- ★SULPHONA-CREAM: Sulphona-Cream is supplied in tubes. It can be used as an ointment or applied on a sterile spatula direct to a diseased or injured area, or spread on gauze, linen or oiled silk.

★ Sole Distributors for Optulle, Sulphona-Tulle and Sulphona-Cream:

CHAS. F. THACKRAY LTD., THE OLD MEDICAL SCHOOL PARK STREET, LEEDS, and 38 Welbeck Street, London, W.I

All these products are manufactured by:

PERIVALE OPTREX Ltd. MIDDLESEX

#### TO HELP YOUR SALES

#### OUT OF SEASON

WE HAVE MARKETED A

NEW GIFT PACK-

IT WILL BE NAT. ADVERTISED

AS 'MAJOR' 11b or 21b



Thousands of your customers are at a loss as to what to give for a present—here is a new and sensible answer—A PACKET OF THE 1lb. OR 2lb. SIZE 'MAJOR' SNAP CLOSURES only 6s. 0d. or 6s. 6d. and sufficient for 30 jars, very generous trade terms for retailer and wholesaler. We have packed minimum lots of 24 majors and half of each order will have supplied free Xmas and All-year-round Greetings Cards and transparent wrapping. This line is being Nationally advertised and is sheer value-for-money. CASH IN NOW AND ORDER NOW.

GRAHAM FARISH LTD.
BROMLEY - KENT
BRISTOL & MANCHESTER

## BARNETT FOR BOTTLES



★ BE READ

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HEALTH AC

We can now off from stock:

MEDICALS
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BOTTLES FO
EVERY TRAD
IN ALL SIZE

We welcome enquiri from both old and ne customers.

JACK L. BARNETT LTD

Phone: 28004/5 Grams: "Jackelbee," Leed

Also at Manchester and Glasgow

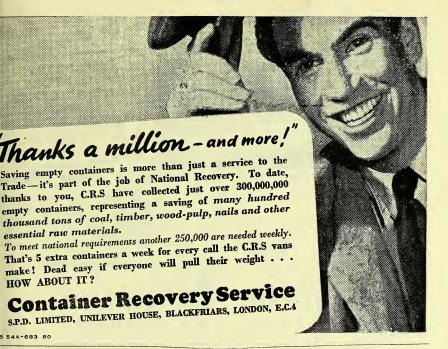


& CO.

(Sheffield)

LTD.

IAMES NEILL



#### **GLYCERYL MONOSTEARATE**

Guaranteed Food and Drugs Quality

#### REGULAR SUPPLIES AVAILABLE

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The Faylene Manufacturing Company
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Telephone 22594

## OVER 150 YEARS REPUTATION

WIDOW WELCH'S PILLS

9d. BOX PROFIT by ordering I dozen 3/3½ size. Bonus box given on every dozen (13). It pays to push this size.

C. & G. KEARSLEY LTD.

71 Dartmouth Rd., London, S.E.23

Est. 1767

## DOMESTOS sells

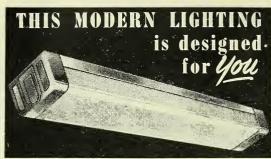
FAST

Domestos is the quick-selling repeat line that is popular with the housewife in 3 ways—Bleach, Cleanser and Disinfectant. Used as a BLEACH it gives whiter whites on washdays—used everyday as a CLEANSER it makes light work of all the rough work in the home. As a DISINFECTANT and cleanser for lavatories it is ideal. Be sure you stock Domestos—it brings profit and goodwill. Write to-day for Trade terms.

#### DOMESTOS

LIMITED

COLLEGE WORKS, NEWCASTLE UPON TYNE, 6



Mazdalux Fluorescent Fitting F.424

#### DISPENSARY LABORATORY GENERAL OFFICE

If your work falls into any of the categories listed, this MAZDALUX fitting will meet the special requirements of vour work.

#### MAZDA FLUORESCENT LAMPS ARE **ESSENTIAL** IN MODERN BUSINESS

Because they give better light—light that lets the workers really see.

2 Because they give the same AMOUNT of light for half the current consumption-and everybody knows how electricity costs are mounting.

3 Because Mazda Fluorescent Lighting saves current, and the Government are anxious to conserve every unit of electrical energy and every ounce of coal. In this way we can help to avoid cuts and blackouts by reducing the peak loads. BTH LIGHTING ADVISORY SERVICE. Bridle Path, Watford. Telephone: Watford 7701/8.

Change to Fluorescent Lighting now — and be sure it's Mazda



MAZDALUX

FITTINGS

M.4200C

Mark " Totty Pot"

Patent applied for THE NATION'S LIGHT

Aldwych, London, W.C.2





SOLE MANUFACTURERS J. BILLIG & SONS LTD...

BILTIN WORKS, FONTHILL Rº LONDON N.4.
TELEPHONE: ARCHWAY 2753 & 3858

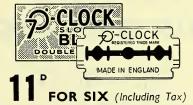
Made of Aluminium

ANODISED IN SOFT PASTEL SHADE



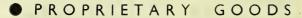
7 o'CLOCK advertising certainly presents the brighter side of shaving. That's why it is creating such a huge fund of goodwill for these famous blades. "7 o'CLOCK, COCK!" is a phrase everyone reads, remembers, and repeats. And everyone who's tried 7 o'CLOCK is agreed that it's quite the sharpest blade at the price. Yes, you're on safe ground when you order a stock of these popular tripleground blades.

# 7o'clock



Actually COST LESS than PRE-WAR!

## REGULAR Deliveries in ALL Areas



- Pharmaceutical Preparations
- TOILET REQUISITES
- Dressings and Cotton Wools
- DRUGS AND SUNDRIES

We give an efficient wholesale service, and you can rely on courteous and careful attention to your particular needs.

#### 5 I D N I C & Co. Ltd 11-12, FINSBURY SQUARE, LONDON, E.C.2.

11-12, FINSBURY SQUARE, LONDON, E.C.2 Telephone: MONARCH 5642/3



## MEDICAL\_ SUPPLIES

### **HELP YOUR TRADE**

HOSPITAL RINGS RUBBER SHEETING SPONGE RUBBER SUPPORTS, ETC...

SORBO LTD WOKING SURREY

Phone WOKING 960

Grams SORBO SURREY



Specially prepared for Household use

NON-INFLAMMABLE.

NON-STAINING

Ready for immediate use. Full directions on each container.

Also in Powder Form. Samples and prices available to Wholesalers from Manufacturers.

## WHARF RD., PONDERS END, MIDDX.

Phone: HOWard 2231 (3 lines)

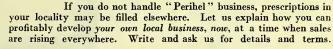
Sole Agents for N.Ireland: Whyte Reid & Mitchell, Ltd 61/63 Donegall Pass, Belfast.

Sole Agents for Scotland: Southern Mfg. Co. Ltd. 214 West Regent Street, Glasgow, C.2

## ALL 'PERIHEL' STOCKISTS

Infra-Red Ray Iltra-Violet and Therapy appliances)





#### WINTER BUY NOW FOR SALES LIMITED PERIHEL

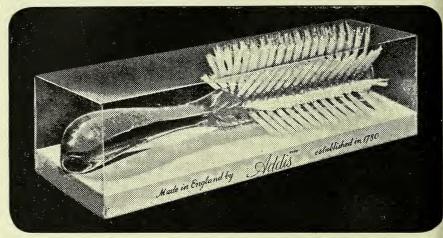
17. EDGE ST., LONDON, W.8.

"Perihel" Infra-Red and Ultra-Violet models are all made to a high clinical standard. They are specially designed for home use, and are widely used because they are popularly priced. Infra-Red (600 watt) from £9 10 0 and Ultra-Violet (Mercury Vapour Discharge Generators) from £15 15 0.



Phone: PARK 7870

## It's lovely...It's logical...



## "And it sells on sight!" SAY RETAILERS

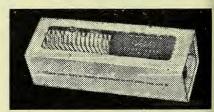
Introduced only a few weeks ago, the new Addis Beauty Brush has met with an overwhelming demand. Production, already doubled, is being still further increased.

There is a good reason for this remarkable success-story.

'Deep brushing,' say the beauty experts, 'is the secret of lovely hair.' As thousands of women have already discovered, the Beauty Brush brushes deeper than any other hairbrush, makes even 'difficult' hair look noticeably prettier.

In appearance, too, the brush lives up to its name. It has a clear gem-like plastic

handle in a choice of three colours—pink, green or blue. The Addis Beauty Brush is the newest-ever look in hairbrushes and a line that will keep selling the whole year round on its sheer sound value for money. Retail price 12/6d. (including tax); price to you 82/6d. per dozen plus tax.



EVERY BRUSH is packed in transparent acetate container enclosed in attractive pink - and - maroon presentation 'sleeve.' Hard - selling display material supplied with every order for 6 brushes,

## Acidis BEAUTY BRUSH

Designed—Packed—Priced—to SELL!

ADDIS BEAUTY BRUSHES ARE MADE ONLY BY ADDIS LIMITED OF HERTFORD, ESTABLISHED IN 1780

Distinctive Pack

#### TARTAN" BRAND MALT EXTRACT with COD LIVER OIL B.P.

Delicious Butterscotch Flavour



I and 2 lb. Sizes Now Available for Immediate Delivery. Particulars and Prices of this and other packs on application.

#### HE ALLIED DRUG & CHEMICAL CO. ROBERT ST., HAMPSTEAD RD., LONDON, N.W.I. Phone: EUSton 2524

THE RAZOR THAT CARESSES THE FACE

\* \* \* \* \* Introducing

THE LATEST MODEL G.B.S. SUPER SAFETY RAZOR

REGISTRATION No. 809050

Embodying the new 61" handle (Reg. No. 849492) which reduces shaving time by 40%.

TO RETAIL AT



#### WHOLESALE CONCESSIONAIRES :

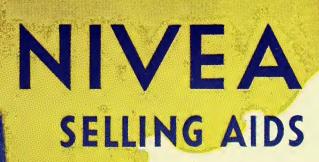
To Hairdressing Trade in U.K.

R. HOVENDEN & SONS LTD., LONDON & BRANCHES

To Chemists in Scotland

JAMES TAYLOR & SONS (TRONGATE) LTD., GLASGOW

G. R. В. SMITH & LTD Proprietors: 62 ROBERTSON STREET, GLASGOW, C.2. Telegrams: "Cochin" Glasgow. Telephone: CENTRAL 3986



To help you sell more Nivea Creme-already a quick-moving low-priced line—we offer these sales aids. Send in the coupon below.

### NIVEA SELF-SERVER

Stands on counter, pleasing appearance. Intrigues customers into serving themselves by just pulling out a packet. Replacement is automatic once container is filled.

## PRESS ADVERTISING

Colour advertisements now appearing in magazines; black and white advertisements in national and provincial newspapers.

## NIVEA MANUAL

Packed with useful information about Nivea. Enables you and your assistants to answer customers' queries about Nivea.

## SHOWCARDS

Attractive showcards for window or counter, in full colour, showing the wide range of uses of Nivea Creme.

### Post NOW

Please send me

- (1) Self Server & . . . . doz. Nivea Creme No. 368 in Self-Server Refill cartons @ 10/10d. per doz.
- (2) Showcards

(3) Nivea Manual

Name ....

Address ...

... Date

FILL IN AND POST TO HERTS PHARMACEUTICALS LIMITED, WELWYN GARDEN CITY, HERTS



## S · D · RAND

5-6 Argyll Street, Oxford Circus, London.W.1.
Telephone, GERRARD 3746

Order from your usual Wholesaler

RADE

## -the only HOT WATER BOTTLE without a Screw

SAFE, SPLUTTER-FREE SEAMLESS, DEPENDABLE

— if you are not selling SUBA-SEAL Bottles you are missing your share of a very large market.



Designs, colours, prices, discounts—all attractive. Nationally advertised, and display material available, including the counter display illustrated. Get into touch with your usual supplier, or if ou have difficulty write WILLIAM FREEMAN & CO. LTD., BARNSLEY—Telephone 4081

# FEMEX SAN. TOWELS PRICES REDUCED

Femex No. 1 ... 18/- ... 2/Femex No. 2 ... 22/6 ... 2/6
Femex No. 3 ... 27/- ... 3/Maternity ... 27/- ... 3/Soluble No. 1 ... 15/9 ... 1/9

High Quality unchanged

IMMEDIATE DELIVERY

WILFRED STRETCH & Co. Ltd.
UNION WORKS, CASTLETON, ROCHDALE



### BABY MEANS BUSINES

Where there are ba there will be a demand soothers—a demand continues all the y round. That's the son business you want.

Make sure of repeat or by selling Grove soothers.

We'll tell you why:—

The teething ring is pliable plastic, kind to g

2 The disc is plastic, too, and gaily coloured.

3 The teat, made of transparent latex, is in norm cherry shape and can be sterilized when necessary.

necessary.
They are hygienically packed in cellophane velopes, fixed on a showcard which will add distion to your counter. Also offered in attra 3-dozen display box.

PACKED IN ATTRACTIVE DISPLAY OU

#### GROVEWELL L'

FEED TEATS, VALVES AND SOOTHER 656 Forest Road, Walthamstow, London, Wholesale only supplied

# GLASS TUBES BY THE MILLION

- TUBES FOR PACKING, SAMPLING & TESTING, ET
- DROPPERS, STRAIGHT, CURVED, BALL POINT BUTTON POINT, ETC.
- AUTOMATIC MACHINERY ENSURES BEST QUALIT AT BEST PRICE

THE SPECIALISTS

T.T. TUBES

SOLE MANUFACTURER

F. COPLEY & CO., BEESTON, NOTTINGHAN

### THE NEW PREPARATION

which you may be contemplating will need a label which will inspire confidence and help to establish a good and increasing sale. We shall be pleased to hear from you.

JAMES TOWNSEND & SONS, Ltd. . Label Printers . EXETER

THE POPULAR COUGH SYRUP

Good for the young and good for the old



Supplies may be obtained



from C.F Wholesale Houses

ZEMS LTD

718/724 Seven Sisters Road, London, N.15

Telephone: STAMFORD HILL 6658-9

# It's an EDME product!

## BEVAREX

A nourishing and sustaining MALT FOOD BEVERAGE of OUTSTANDING merit

Showcards available further particulars from

Retails at 1/8 per 6 oz. tin Wholesale 13/6 doz.

**EDME** LTD.. IMPERIAL HOUSE. REGENT STREET. W.

Telephone: REGent 5563-4

Grams: "EDME," Piccy, London

Works: MISTLEY, ESSEX



No.555 Stand 30" high, 3 glass shelves 10" x 4" No. 560 Stand 24" dia. 3 glass shelves 17" and 23" x 6". Send for complete list to:-



A. J. GUPWELL (Shopfitters) LTD. 54 Bradford Street, BIRMINGHAM 5



#### The Complete WHOLESALE SERVICE

The Service Wholesaler has always been the bulwark of safety for the Retail Druggist. His creed is: Buy what you want; omit what you

cannot sell.

The Service Wholesaler is an economic force pitted against waste and excess stocks. His volume must come through the service which he alone can render.
No method offers a better opportunity to

meet modern merchandising problems than that of buying as needed through your Service Wholesaler.

"Let us be your Warehouse"

errymein OF SOUTHAMPTON

Suppliers of Proprietaries, Drugs and Galenicals, Sundries and Packed Pharmaceuticals.

HERBERT FERRYMAN, LTD.

Cobden Bridge, Southampton Telegrams: Ferryman, Southampton.

Telephones: 75641 (5 lines).

## The new one-minute tablet test for detecting urine-sugar CLINITEST

LINITEST has been approved by the fedical Advisory Committee of the Diabetic ssociation. Doctors and Diabetics are riting enthusiastic letters about this unique blet test. It is already widely used in merica, Canada and other countries, and

is now available in the United Kingdom. CLINITEST is a simple, fast copper reduction test with all reagents compressed in a single tablet. It is based on the same chemical principles involved in the Benedict Test, but with the following unique advantages:

NO EXTERNAL HEATING

The tablet generates its own heat. (No flame or water bath required).

SIMPLICITY .

Only three simple steps involved. (No measuring of reagents).

SPEED

The complete test takes less than one minute.

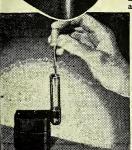
RELIABILITY.

CLINITEST is equal in sensitivity and reliability to the other standard copper reduction tests.

CONVENIENCE .

All essentials are contained in a hygienic pocket-size case. (No bulky apparatus).

The use of CLINITEST is spreading rapidly among Doctors and Diabetics as a result of advertisements in the Medical Journals, The Diabetic Journal and by personal recommendation.







ry Diabetic will be interested in CLINITEST

upply of illustrated leaflets for distribution to the public h all sales of Insulin and other diabetic products will be t with all orders.

12/- Retail \ Trade Dis. NITEST SET, complete . 4/- Retail L BOTTLE (36 tablets) .

CLINITEST is not subject to Purchase Tax

For complete information write to:

DON S. MOMAND LTD 57 ALBANY ST, LONDON, N.W.I

Telephones { EUS 1326 EUS 2076

Sole Distributors for Ames Company, Inc.

ODUCT OF THE AMES COMPANY INC., ELKHART, IND., U.S.A.



#### Net News!

These 3 attractive, new envelope packs are now available for the Home Trade



Packed in display outer, in assorted colours if required. Counter display also available for the well-known Venus Cap Net. Your Wholesaler has plentiful supplies.

Wholesale & Export: Robert Shaw & Co. Ltd., Nottingham

JOHN KNOX - JOHN KNOX JOHN KNOX

## John Knox

(Stoke-on-Trent) LTD.

Jaynox Works, King St., Fenton, Stoke-on-Trent

Can supply you to advantage with :—

PHERIBAN TONIC TABLETS

SCYLLA RINSES AND SHAMPOOS

ARGOTONE

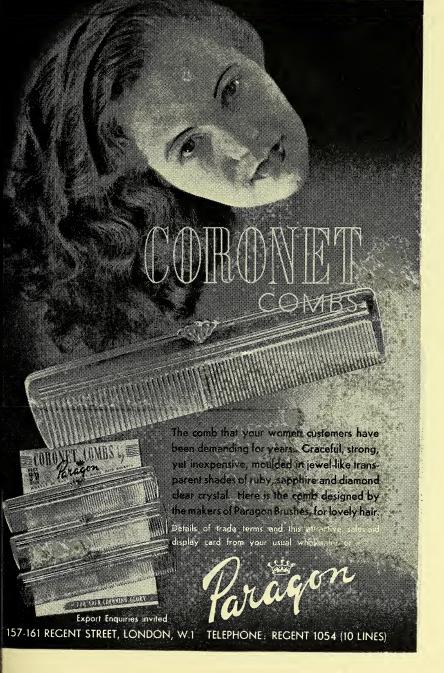
BIRLEYS ANTACID POWDER
SPHAGNOL PREPARATIONS
RADIOL PRODUCTS
HAIRS ASTHMA PREPARATIONS
C.V.B.

ALL IN FULL SUPPLY
Special terms available on request

Special
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Also from :—

JOHN KNOX

JOHN KNOX (Midland) Ltd. 5 36-8 Dean Street, Birmingham, 5 JOHN KNOX JOHN KNOX





#### THESE ADVERTISEMENTS WILL APPEAR IN

PUNCH THE SPHERE LILLIPUT FIELD SPORTS GOLF MONTHLY COUNTRY LIFE SHOPPING NEW STATESMAN AND NATION IRISH TIMES DUBLIN OPINION YACHTING WORLD RADIO REVIEW IRISH TATLER AND SKETCH to help your Christmas Gift trade in

Rabaldo ELECTRIC DRYSHAVER

Manufactured by—

JOHN A. FRANSEN, LTD., NORTHWOOD HILLS, MIDDX





BISLEY WORKS, WHITTALL ST., BIRMINGHAM,

#### COMPRESSED TABLETS

Special quotations for large quantities. Pr formulæ compounded. Aspirins, Digestive N lodised Throat Tablets, etc., at keen prices or packed.

MARSH BROOKS, LTD., 170 Bridgeman St., B



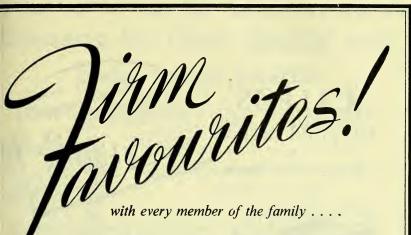
Containers of Me Glass, Alumini and Pla

Tel: Hop 0516 (6 lir

Percenta House, 130/2 Tooley Street, London, S.

## VIRDO Nutrition

Rewards Regular Users with Fi Energy. VIRDOX Powder in 3/6 t VIRDOX Tablets in 2/3 tins 75 KINGSWAY, LONDON, W.



## CUTICURA PREPARATIONS

(MEDICINAL AND TOILET)

SOAP . OINTMENT

TALCUM POWDER - SHAVING STICK

These grand aids for skin-care have been giving confidence and satisfaction for over 65 years. Profits are good — Advertising consistent and widespread. Sales-promoting window displays always at your service.

The following attractive products, each with a universal appeal, will shortly be added to the popular Cuticura Range:

HAND CREAM · BABY OIL
SHAVING CREAM · LIQUID ANTISEPTIC
AFTER-SHAVE LOTION

British Distributors: NEWBERY & PHILLIPS LTD.

203, Victoria House, Southampton Row, London, W.C.1
TELEPHONE: HOLBORN 1564

THE POTTER DRUG & CHEMICAL CORPORATION

- 205-207, Victoria House, London, W.C.1



Generous Profit Margin





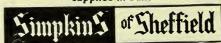
Advertising is now appearing in daily papers and women's journals. This is a logical development of over 10 years of ethical selling and clinical trials. It will stimulate the demand for this palatable, natural form of calcium and phosphorus. "Calfos" is an attractively priced, repeat sale line with a generous profit margin. Enquiries to our representatives or to:—

CALFOS LTD., IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2



CHILDREN'S COUGH PASTILLES  $1/4^{1D}_{\overline{2}}$ T.C.L. & FRIARS BALSAM

Not 1/8d. as previously stated
These three lines can also be
supplied in bulk





The reliability of Morgan's Pomad established over 70 years ago, brin

steady business. Generous trade terms make it, and Marie Antoinette Egg Julep Shampoo Powder, worth while to stock.

Full list, wholesale prices and terms on application to: Morgan's Pomade Co. Ltd., 1-7 Grenville Road, LONDON, N.19



# Demand for these invalid and baby foods keeps increasing—so do supplies!



Brand's Essence of Meat

Sales have more than doubled since pre-war!

Although the demand for Brand's Essence is over twice what it was a few years ago, we are still able to fill your orders. Whenever there's an invalid to be cared for, that means a call for Brand's Essence. 3/- a jar.



# Brand's Baby Foods New pack, price down — same tip-top quality

These strained foods are the modern method of infant feeding. Remember, there's a constant *new* demand; it pays to keep them well displayed. Varieties available now or shortly: Strained Carrot, Strained Tomato & Barley, Strained Prune, Strained Fruit & Cereal, Strained Apple & Rose Hip. Now in tins, price from 7½d. Also Bone & Vegetable Broth.



# Brand's Calf's Foot Jelly When your customer wants the best

Here is a calf's foot jelly of first quality, delightful both in taste and appearance. When your customer wants the best jelly, this is the answer. Price 1/6 and 1/- a jar.

Brand & Co. Ltd. VAUXHALL, LONDON, S.W.8

# THE Modern ANTACID.



Magtriz Tablets are an effect combination of Magnesium Tri cate and Magnesium Hydrox and provide prompt relief prolonged control in all cases Hyperchlorhydria as recommenby the Medical Profession.

DIGESTIVE

2 sizes, 7½d. and 1/6d. Trade 4/- and 10/- per doz. plus P.T. Both sizes packed in attractive outers. Small size 2 dozen. Large size I dozen.

WESTPENSTER LABORATORIES LTD., Chalcot Road, London, N.W.I Tel.: PRImrose 3395/6/7



Illustrated THE VULFIX "ELITE" TRAVEL BRUSH A Best Seller of Outstanding

Quality

Products of Progress

THE VULFIX TIDY SHAVER attractive Brush, complete with PLAQUE ready for fixing.

THE VULFIX SERV.CE BRUSH HIGH QUALITY SOLIDLY BUILT Makes an IDEAL GIFT

PROGRESS Shaving Brush Co. Ltd MOTTRAM STREET, STOCKPORT (Phone: Stockport 2147) also at

49 LEADENHALL STREET, LONDON, E.C.3 (Phone: ROYAL 2857)

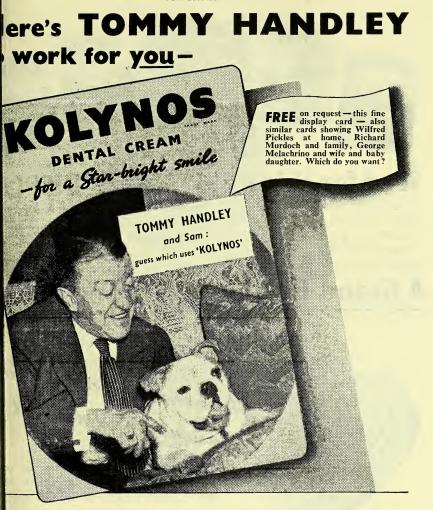
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Nöller's discovery of the anæsthetic powers of cocaine disturbed the orthodox medical world of the 80's. But this was the age of discoveries and inventions — progress was on the march. It was in this inventive era that Scott's of Edinburgh introduced M.O.F. — a new idea in infant feeding. M.O.F. has changed much since 1887. But the same inventiveness and progressiveness has remained an essential part of Scott's policy. Today, Scott's of Edinburgh provide a whole range of infant foods for mixed-feeding time.

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bection. Auction (unless previously sold) at
vative Club, Bletchley, December 8th at
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**ST'S BUSINESS** for sale, together with prostock; fittings and goodwill. Situate in Stirec. Old established. Substantial turnover. ritculars, write Box 1831, Robertson & Scott, over St., Edinburgh, 2.

ALE. Old-established wholesale and manung chemists company in Glasgow. Turnover 0. Premises situated in City centre. Could on lease or purchased. Assessed rent £160. lats comprising area of 8,000 sq. ft. All s. Purchase price reasonable. Only principal company of the company

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SMALLWARE MANUFACTURERS, importers and exporters, modern factory, 6,000 sq. ft., Co. Durham. Offices, packing and stock rooms and toilets. Audited turnover 1947-48 £23,800, increasing yearly. Gross profit about 23 per cent. Lease 21 years. Excellent allocations. This fine business, comprehensive machinery, fixtures, fittings, can be obtained including stock at valuation for about £5,000. Ask for particulars, Henry Stead & Partners, Ltd., 29 Cookridge St., Leeds. 20208-9.

WEST LONDON. Pharmacy with profitable ladies' hairdressing saloon. Turnover for last financial year £2,495; net profit £458 after charging wages, £474; it is estimated that the returns for the current year will reach £2,800. Living accommodation not available. Total purchase price (to include stock, estimated at £800) £2,000. E. J. George & Co., Bank Chambers, 329 High Holborn, London, W.C.2.

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#### CAPITAL IS AVAILABLE TO PURCHASE DRUG AND COSMETIC BUSINESSES

One of our clients wishes to purchase established businesses manufacturing ethical or proprietary medicines, cosmetics, or other articles for the drug trade. Complete acquisition of all assets is desired.

This client will consider large and small companies whether or not current operations

are profitable.

Discussions will be confidential. Discussions will be confidential. Brief particulars in the first instance to Clivedon Corporation, Ltd., 16 Coleman St., E.C.2.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947

#### SITUATIONS OPEN

36 words 8/6 (minimum) then 3d. per word. Box 2/-

#### RETAIL (HOME)

BLANTYRE, LANAKKSHIRE. Pharmacist wanted with optical qualification, on C.P.C. List, as branch manager. Salary £9 15s. per week, with excellent commission on optics. Superannuation scheme in operation. Living accommodation will be available. Applications in writing, endorsed B/L, stating full Applications in Writing, endorsed b/L, stating run particulars of age, experience and when available, to The Technical Supervisor, S.C.W.S., Ltd., Re-tail (Drug), Dept., 187 Bogmoor Rd., Shieldhall, Glasgow, S.W.1.

BOGNOR. Heppells require unqualified dispenser.

BOGNOR. Heppells require unqualified dispenser, Permanency, congenial post. Please apply, Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Road, London, S.W.1.

BOOTS THE CHEMISTS have v.a.

BOOTS THE CHEMISTS have vacancies in a number of districts for qualified assistants, male and female. Salary (male) Central London £8 15s. and £10 5s.

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CHEMIST requires man or woman qualified or unqualified, assist pricing stockbooks. City Temporary.

Apply "S" Box 5/144.

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CHEMIST wanted with optical qualification, on C.P.C. List, as branch manager for Blantyre, Lanarkshire. Salary £9 15s. per week with excellent commission on optics. Superannuation scheme in operation. Living accommodation will be available. Applications in writing, giving details of age, experience, etc., and endorsed B/L, to The Technical Supervisor, S.C.W.S., Ltd., Retail Drug Dept., 187 Bogmoor Rd., Shieldhall, Glasgow, S.W.1.

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CHEMIST wanted with optical qualification, on C.P.C. List, as branch manager for Glasgow branch. Salary £9 15s. per week, with excellent commission on optics. Superannuation scheme in operation. Applications in writing, giving details of age, experience, etc., and endorsed L/G, to The Technical Supervisor, S.C.W.S., Ltd., Retail Drug Dept., 187 Bogmoor Rd., Shieldhall, Glasgow, S.W.1.

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Drug Dept., 187 Bogmoor Rd., Shieldhall, (
gow, S.W.1

DERBY CO-OPERATIVE PROVIDENT SOCI

gow, S.W.1

DERBY CO-OPERATIVE PROVIDENT SOCILITD., have vacancy for a young qualified assi (lady or gent.). Duties mainly dispensing, vequipped, separate premises; other dispensing employed. Any rota services shared. A cong attractive position is offered to suitable applic Apply by letter, giving full particulars, to Stary, Albion St., Derby.

DONSET COAST. Young, qualified assistant quired immediately for the dispensing depart of a busy good-class pharmacy. Must be car of occasionally taking charge. Particulars to Sh Richards, 34, St. Thomas St., Weymouth.

DREGHORN, AYRSHIRE. Pharmacist wanted optical qualification on C.P.C. List, as br. manager. Salary &9 15s. per week, with exceommission on optics. Superamuation schem operation. Applications in writing, endorsed I and stating full particulars of age, experience when free, to The Technical Supervisor, S.C.V. Ltd., Retail Drug Dept., 187 Bogmoor Rd., Sh hall, Glasgow, S.W.1.

ENERGETIC (QUALIFIED) LADY required assist generally with small shop, whole- or time. Lady Chemists, Ltd., Mill Hill, N.W.7.

GLASGOW, LANARKSHIRE. Pharmacist optical qualification, on C.P.C. List, as br. manager. Salary &9 15s. per week, with exceommission on optics. Superamuation schem operation. Applications in writing, endorsed C and stating full particulars of age, experience when free, to The Technical Supervisor, S.C.W. operation. Applications in writing, endorsed C and stating full particulars of age, experience when free, to The Technical Supervisor, S.C.W Ltd., Retail Drug Dept., 187 Bogmoor Rd., Sh hall, Glasgow, S.W.1.

HULL. Pharmacist required for busy retail n macy, to take charge of dispensing departm Write, giving full particulars, salary expected, references, etc. V. & E. Wall, Ltd., Chem 437 Anlaby Rd., Hull.

HALL & KING of Folkestone have the follovacancies: (a) Experienced qualified assistant, experienced dispenser. Apply in first instance 36 Grosvenor Gardens, London, N.14. Labun 2566.

2566. KENT. Unqualified dispensing assistant required Canterbury by Timothy Whites & Taylors, Good prospects; pension scheme; permanency, ply to District Manager, 19 Allington Way, M stone, Kent.

stone, Kent.

LONDON CO-OPERATIVE CHEMISTS, LTD, cause of extension, require several experies pharmacists for branch managerial positions in suburbs. Salary to be paid would vary betw £550 and £650 per annum, plus other emolume It is quite possible that in certain instances acomodation may be provided. Application in instance to Superintendent Chemist, Grange I Leyton, E.10, when an appointment will be ranged to discuss promotion prospects.

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#### Situations Open—Continued

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ool, 23. HESTER POSTAL DISTRICT. Experienced thed dispenser required for pharmacy with dispensing, either sex. Full particulars to

OLE, AYRSHIRE. Pharmacist wanted with qualification, on C.P.C. List, as branch er. Salary £9 15s, per week, with excellent sion on optics. Superannuation scheme in on. Living accommodation will be available, ations in writing, endorsed M/A, stating full have of expressions and when available. lars of age, experience and when available, Technical Supervisor, S.C.W.S., Ltd., Reprug), Dept., 187 Bogmoor Rd., Shieldhall,

w, S.W.1.

male or female, as superintendent and er. Situation would suit an elderly person. light duties and easy hours. 5-day week. g 75 Brick Lane, E.I.

H. LONDON, Unqualified assistant with dissexperience required for busy pharmacy. commencing salary plus participation in remuneration. The position will be well to a North Country man desiring London nee. Please write initially under guaranteed ce of confidence, to Box 5/124.

RTUNITY for qualified pharmacist. Pharmacy manager required. Permanent progressive uperannuated position. Good salary and Trade union hours. Congenial working conin an expanding service of a large society.

in an expanding service of a large society.
with usual particulars, to A. G. Davies,
ntendent Chemist, Manchester and Salford
ble Co-operative Society, Ltd., 67 Downing

anchester, 1.

IAN (or pharmacist-optician) very urgently to manage optical department in North y market town. Old-established busy optical e. On C.P.C. List and preferably F.S.M.C. & Good salary and permanent position. Experience and earliest date available. Gibson Chemists & Opticians, Hexham, Northum-

GE & CO., Employment Agency, 184 Strand, Temple Bar 9212/3. Branches at South-and Birmingham. Enquiries invited from ployers seeking staff. Many pharmacists and ified assistants available for retail and whole-Representatives also requiring situations. able terms. Write to 184 Strand, W.C.2 for

MACIST. Excellent opportunity for experiman manage good-class dispensing pharmacy gton. Good salary and commission. Apply c/o Box 5/79.

FIED BRANCH MANAGER required. ek and commission on dispensing (minimum Accommodation available. Superannuation in operation. Apply Kidderminster Cove Chemists, Ltd. Oxford St., Kidder-TAKERS REQUIRED for duties in various s. Applicants must possess retail experience up-to-date knowledge of prices, etc. Appliare invited from men below the age of 50, re resident in the London area, Birming-istrict or in Lancashire. The positions offer scope and opportunities in return for conbous and intelligent service. All replies treated toonfolence. Box 5/125.

JAUFIED DISPENSER for congenial post. Aphr Keall, Ltd., 6 Nugent Terr., off Abercorn N.W.8.

#### The Institute of Chemists-Opticians, 2 Clements Inn, Strand, W.C.2

For Syllabuses of the Institute's Examinations and all further information, write to the Hon. Secretary, J. Ross-Mansell, Ph.D., B.Sc.

UNQUALIFIED ASSISTANT (either sex) required for dispensing and manufacture of our own preor dispensing and manufacture of our own pre-parations. Extensive experience not necessary. Ex-cellent prospects. Apply, Manager, C. Coutts Michie, Ltd., 175 Kentish Town Rd., N.W.1. Tel. Gulliver 1650. UNQUALIFIED experienced assistant; must be well trained in dispensing. West London. Apply Box

UNQUALIFIED LADY ASSISTANT with dispensing experience required. Good salary, good prospects. Particulars to I. Chazan, Chemist and Optician, 24 Dock St., Ellesmere Port, Cheshire.

#### RETAIL (OVERSEAS)

BOMBAY. Allen & Hanburys, Ltd., require a pharmacist for a senior executive position in their branch. Candidates should be not over 35 years' of age and preferably single. Applications, with fullest details of education, technical qualifications and previous experience should be addressed to Personnel Manager, Allen & Hanburys, Ltd., London F. 2

Personnel Manager, Allen & Hanburys, Ltd., London, E.2. SOUTHERN RHODESIA. Fully qualified M.P.S. required on 4-year contract. Excellent prospects for single man age 25-35. Reply, stating qualifications and salary required, to Box E 692, c/o Streets, 110 Old Broad St., E.C.2. TRANSVAAL. One qualified and one unqualified assistant required immediately. Qualified, £50 per month, plus cost-of-living allowance; unqualified, £30 per month, plus cost-of-living allowance. Share of profits. No living accommodation. Permanent positions. Apply with full details to Box 5/136.

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This product is sultable as additional line for men representing no more than one or two other manufacturers. Liberal commission and handed over. When writing please state exact territory covered, lines carried and mark your envelopes with your territory—(e.g., Yorkshire) Box 5/57."

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BIG MONEY offered to first-class speciality salesmen to pioneer Greater London area with new low-priced cosmetics of remarkable value and anneal Box 5/139.

appeal. Box 5/139.

#### Situations Open—Continued

A SMALL NUMBER of vacancies exist for young, energetic pharmacists as representatives of a wellenergetic pharmacists as representatives of a well-known company engaged in medical propaganda and sales. Applicants should be below the age of 30 and prepared to reside in any part of the country. Consideration will be given to applicants who are unqualified but have some technical knowledge. These positions carry a good salary and offer scope for advancement. Apply by letter, given fullest details of age experience and salary

ledge. These positions carry a good saiary and offer scope for advancement. Apply by letter, giving fullest details of age, experience and salary expected, to Sales Manager, Box 5/92.

ANALYTICAL CHEMIST required by Edinburgh firm of fine chemical manufacturers. Chemical degree or A.R.I.C. preferred, but pharmacist or other person with experience of analytical work would be considered. Reply giving experience, and salary required, to Box 3902, c/o R. F. White & Son, 72 Fleet St., London.

AN OLD-ESTABLISHED FIRM in the perfumery field is prepared to appoint two full-time representatives, one for the counties of Northumberland and Durham, and the other for the counties of Leicester, Derby, Notts and Lincs. These assignments are in the top class and can only be filled satisfactorily by men of calibre and vision. Remuneration is by salary, commission and expenses. Replies should state age, education and give details of past and present employment in the most strict confidence. Box 5/128.

AN OLD-ESTABLISHED London house require a young, qualified assistant chemist, capable of conducting routine analysis of products, and supervision of policon. Write, giving full particulars of age.

young, qualified assistant chemist, capable of conducting routine analysis of products, and supervision of poison. Write, giving full particulars of age, experience and salary required. Box 5/115.

ASSISTANT, with some pharmaceutical experience required for pill department of manufacturing chemists in London area. Apply with full particulars and salary required. Box 5/117.

CHEMIST (pharmaceutical) required by large firm of manufacturing chemists, Manchester area. Commencing duties would be mainly routine analytical

mencing duties would be mainly routine analytical and control work. Good prospects. Write, giving full details to Box 5/83.

CHEMIST, preferably with some previous industrial experience, required for laboratory work in the experience, required for laboratory work in the development of new pharmaceutical products. Full particulars, stating salary required and quoting ref. B/HN, to Box No. 3349, T. G. Scott & Son, Ltd., Talbot House, 9 Arundel St., Strand, W.C.2. CHEMISTS' WHOLESALERS with unusual lines require a first-class go-ahead representative in Eastern Counties, North of Thames. Resident in or near Essex preferred. Live wire salesman will be given salary commissions bonuese sympness. Analy given salary, commissions, bonuses, expenses. Apply Box 5/113.

Box 5/113.

DEPARTMENTAL MANAGER required by Glaxo Laboratories, Ltd., in their Greenford factory. Applicants must be of proved experience in plant management and control of factory staff, and must hold a pharmaceutical qualification or honours degree in chemistry. Knowledge of sterile process work, automatic filling and packing machines and general mechanical aptitude an advantage. Initial salary commensurate with qualifications and experience. Attractive superannuation arrangements after probationary period. Address applications to Personnel Department, Glaxo Laboratories, Ltd., Greenford, Middlesex.

EXPERIENCED TABLETER required, capable of taking charge of department, with thorough knowedge of all branches of the trade, including rotary and single punch machines; also sugar-coating plant. Five-day week. Write, stating age, experience and salary remired, to Box 5/50.

MIDLANDS. Manufacturing chemists require young man as manager for small factory. Experience in staff control essential. Good presents. House

staff control essential. Good prospects. House available. Full details of education, experience and salary required, to Box 5/41.

DUE TO EXPANSION of business, necessi territory reorganisation, remunerative and c nial appointments with exceptional prospect offered to enthusiastic and thoroughly experi offered to enthusiastic and thoroughly experi representatives by manufacturers of suppacked pharmaceutical specialities in popula, mand. 1. North London and Middlesex. 2. London, Surrey and Kent. 3. Midlands (D. Notts, Leicester, Warwick, Northants). Appl must have long and well-established connected amongst retail and wholesale chemists, Co-opstores. Car an advantage. All applications coing fullest information, in confidence, will be sidered and acknowledged. Age, exact area operand frequency of calls to be included. Box 5 MACLEANS want an experienced sales represented to the control of the control MACLEANS want an experienced sales repretive with good connections in Northern Lanca Westmorland and Cumberland. Good salary travelling expenses paid, motor car Superannuation scheme operated. Write ; full particulars of past experience to Sales I tor, Macleans, Limited, Great West Rd., I ford, Middlesex. ford, Middlesex.

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nection to their own agencies. and/or South Coast. Box 5/109. Herts, Midd MANUFACTURERS of fine cosmetics, full rang

quire representatives calling on high-class for most areas. Liberal commission basis only. 5/111.

NEW LOW-PRICED COSMETICS that sell NEW LOW-PRICED COSMETICS that sell-sight offer the opportunity for greatly increa earnings to REAL LIVE SALESMEN who had forgotten the art of pioneering. Only the carrying one or possibly two well-establislines need apply. Liberal commission and troduction Bonus will be paid. All areas of side London, including Scotland, Wales a Northern Ireland, State area covered and I carried. Bay 5/140. carried. Box 5/140.

ORTHO PHARMACEUTICAL LIMITED, make gynæcic pharmaceuticals, are extending their resentation. The positions offer exceptional o resentation. The positions offer exceptional of tunities to salesmen of character and vigour the ability to handle ethical products to the cal and pharmaceutical professions. Applic giving the fullest details, age, experience, per history, etc., should be addressed to Man Director, Ortho Pharmaceutical Limited, Wycombe, Bucks.

PHARMACIST. Young, energetic and team we required by well-known manufacturers of

PHARMACISI. Young, energetic and team we required by well-known manufacturers of e products for progressive position in their sale propaganda department. Apply, stating age, fications, experience and salary, to Ciba Lastories, Ltd., Horsham, Sussex.

PLANT CHEMIST, M.Sc. level, not over 40, ferably with chemical engineering or industric presing and organic syntheses background to

perience and organic syntheses background, to care of laboratory and plant production at ex ing fine-organics manufacturing concern. Loc London area. Submit full details, salary requ Box 5/110.

REPRESENTATIVE (full time) required for L shire, Cheshire, by old-established house man turing advertised proprietary medicinals and metics. Salary, commission and expenses. Car c metics. Salary, commission and expenses. Car of preferred, but not essential. Excellent opport and permanent position for right man. Write, ing experience and references, to Box 5/106. REPRESENTATIVE required by old-established don house for Midland territory. Applicants shave live connection with retail chemists and fearbly expenses and the salary ferably some previous retail experience, not a sarily qualified. Please state age, experience remuneration required. Box 5/114.

#### Situations Open—Continued

HASE TAX CLERK (experienced) required by ablished manufacturing chemists near Liver-St. Five-day week. Canteen on premises. Box 5/145.

BOX 9/149.

Siehnialive required by firm of manufac-chemists to call upon doctors, chemists and als in connection with high-class ethical phar-tical products. Salary, commission and ex-basis. Bedfordshire, Lincolnshire, Hunting-Northants and Rutland. Applicants must re-n the ground preferably in Northampton or orough. Box 5/108.

SENIATIVES required with established conns among first-class hairdressers and chemists, expensive French pertume. This pertume sale at the leading London stores. We have ranted an additional quota and we wish to the distribution. Delivery from stock for aristmas trade. Commission 15 per cent. plus

sent, bonus. Box 5/122.

SENTATIVE required for London area by shed firm of wholesale chemists and hairdresundriesmen. Some accounts will be handed

SENTATIVE required for the Yorkshire and shire area, to represent a manufacturing producing a full dispensing range of comitablets of the barbiturates and allied drugs. ence of retail pharmacists and hospital phars. Salary, commission and expenses. Own advantage but not essential. Box 5/65.

satvantage but not essential. Box 3/00.

SENTATIVES required. Nationally advertised products. Training given. Good prospects. ories vacant: Northern Counties, including Yorkshire; West Country; Home Counties; hire. Apply Box 5/80, stating age, etc.

SENTATIVE required for Eastern Counties with the counties of the cou

ll-known firm of wholesale and manufactur-nemists. Applications, giving full particulars a handwriting, should be sent to Box 5/137. SENTATIVES calling on retail chemists in and South of England required by wholeto carry bathroom scale on commission basis. 138

REPRESENTATIVE required for South Lon-erritory. Applications should be from quali-harmacists between the ages of 28 and 40, s letters: Personnel Department, British Houses, Ltd., Graham St., City Rd., Lon-N.I. All correspondence will be treated as

confidential.

TARY and personal assistant to managing r of manufacturing and wholesale firm re-Shorthand and typewriting essential, and ith knowledge of the medical and pharmal professions preferred. Excellent opporfor keen person willing to learn and work Details to Box 5/150.

KEEPER required for chemist's warehouse. le of taking charge. Previous experience al. Write, giving full details to Box 5/120. COATER. An opportunity occurs for a ss coater, with experience in all types of and coloured work, to take charge of dent in old-established London house. Write, details of age experience and salary registrations.

details of age, experience and salary re-Box 5/116.

T COATER. Wanted a first-class coater cap-f handling all grades of work. London area, giving full details of age, experience and T COATER.

required. Box 5/118.

KNOWN FIRM, manufacturing chemists, remale or female analytical chemist fully qualitake charge of routine analysis of products search. Interesting work country town 30 North of London. Free self-contained flat ain meals available if desired. Write stating rticulars and salary required. Box 5/127. THE MANAGING DIRECTOR of a firm of manufacturing chemists in London requires a personal assistant to take over, in stages, much of the work at present undertaken by him. Applicants must have (1) pharmaceutical qualifications, (2) wide knowledge of the industry, (3) experience in sales development and the control of representatives, etc. The vacancy is due to the rapid expansion of the business both at home and abroad, and offers the business both at nome and abroad, and offers a permanent career with excellent prospects to a man capable of undertaking responsibility. A high salary will be paid to a suitable applicant. Please write in strictest confidence, giving age and details of previous experience, to Box 5/143.

UNQUALIFIED LADY required for testing and works laboratory of chemical manufacturers North London. Applications with full particulars train-

London. Applications with full particulars, training, experience, if any, age and salary required,

ing, experior, to Box 4/532 WANTED. V Wholesale drug counter assistant (male) Unqualified, good prospects for young man with initiative. Apply, stating age, experience and salary required, to Middleston & Co., Ltd., Middlestrough, YOUNG, ENTHUSIASTIC REPRESENTATIVE required by firm of world repute to call on chemists and other outlets in Northern Ireland, for medicinal proprietaries, toiletries, surgical dressings, etc. Apply, giving experience, age, whether married, car driver and salary required, to Box 5/69.

#### SITUATIONS WANTED

18 words 3/- (minimum) then Id. per word. Box I/-

#### RETAIL (HOME)

LADY, M.P.S., middle age, seeks light or part-time employment. Box 5/107.

M.P.S.N.I. (male) desires post starting December 1st in Glasgow or Manchester. Six years' qualified. Wide counter and dispensing experience. Box 5/130. STOCKTAKING, quiet and efficient workmanship, over 30 years' practical experience. Personal supervision. C. W. Playfoot, 2 Aylward Rd., Merton Park, S.W.20. Tel. Liberty 4104.

#### WHOLESALE

ASSISTANT, experienced, 18 years counter-hand, wholesale chemists and hairdressers' sundriesmen, requires permanent situation, London area. Wages £7 per week. References available. Ex-Service.

CASHIER, purchase ledger clerk, desires change with good prospects. Knowledge of P.A.Y.E. Box

CHEMIST with wide experience in up-to-date manufacturing cosmetics and perfumeries and good ideas for expanding business, desires change or to act as

consultant. Box 5/151.

ENTHUSIASTIC YOUNG MAN (23), 6 years' retail experience, desires position with reputable firm as representative for Northern Ireland. Character as representative for Northern Ireland. Character bears closest investigation. Commission basis or agency. Box 5/74.

HOME SALES MANAGER, qualified, thoroughly experienced all sides sales control, promotion and advertising. Box 5/89.

MANAGING DIRECTORS please note: Sales management of the sales and the sales

ager (age 40) seeks change to improve present position with leading cosmetic manufacturing house. 15 years' experience at home and abroad. Excellent connections with leading buyers and ability to control large sales organisation. Widely travelled and linguist. Remuneration required, £1,500 per annum. Interview London area only. Box 5/87.

SALES MANAGER with successful record in marketing cosmetics, proprietary medicines etc., in home and export markets. Box 5/155.

UNQUALIFIED GENTLEMAN, aged 26 years (single) with nine years' experience in both manufacturing and retail drug trade, desires a position overseas as representative or similar. Box 5/119.

#### APPOINTMENTS

2/6 per line (12 lines=1"). Box 2/-

#### **BOTLEYS PARK HOSPITAL** MANAGEMENT COMMITTEE

REGISTERED ASSISTANT PHARMACIST for Botleys Park Hospital, Chertsey, Surrey. J.N.C. (Hospital Staffs) salary, viz., £370 inclusive; annual increments up to £450 p.a. clusive; annual increments up to \$450 p.a. Previous experience may determine commencing salary. Recently qualified pharmacists eligible. Whole-time, established, pensionable, subject to medical examination. Application, stating age, qualifications, experience, with copies of not more than three recent testimonials, to Physician Superintendent, Botleys Park Hospital Chertsey Surres. tal, Chertsey, Surrey.

#### FOUNTAIN HOSPITAL MANAGEMENT COMMITTEE, TOOTING, S.W.17

ASSISTANT PHARMACIST required immediately, J.N.C. (Hospital Staffs) Scale. Hospital experience not essential, but will be taken into consideration in determining commencing salary. Applications, stating age, qualifications and experience should be sent to the Physician Superintendent.

#### JESSOP HOSPITAL FOR WOMEN, SHEFFIELD

ASSISTANT PHARMACIST (female) required immediately. Salary in accordance with J.N.C. Scale including lunch and tea when on duty and overalls. Previous hospital experience not essential. Superannuation scheme in force. Applications, with full particulars, to Superintendent, Jessop Hospital for Women, Leavy-greave Rd., Sheffield, 3.

#### KING'S COLLEGE HOSPITAL, DENMARK HILL, S.E.5

REGISTERED ASSISTANT PHARMACIST required. Salary and hours in accordance with the J.N.C. scale. Superannuation scheme in force. Applications, with details of experience, should be sent to The Pharmacist at the above address.

#### MID HERTS GROUP HOSPITAL MANAGEMENT COMMITTEE

ASSISTANT PHARMACIST required ASSISTANT FHARMACIST required for Osterhills Hospital, St. Albans, Salary in accordance with J.N.C. Scales, Hospital experience not essential. Application with full particulars to: The Secretary, Mid Herts Group Hospital Management Committee, Osterhills Hospital, Normandy Road, St. Albans.

#### NORTH MANCHESTER HOSPITAL MANAGEMENT COMMITTEE

MANCHESTER VICTORIA MEMORIAL JEWISH HOSPITAL, CHEETHAM, MANCHESTER, 8.

Applications are invited from REGISTERED PHARMACISTS for the post of Assistant Pharmacist. Salary according to J.N.C. Scale (Hospital Staffs). National Health Service Superannuation Scheme in force. Applications with full particulars and copies of not more than three testimonials as soon as possible to the General Superintendent at the Hospital.

A. T. SAMPSON,
Secretary, Hospital Management Committee,

#### NATIONAL HEALTH SERVICE-IOIN PRICING COMMITTEE FOR ENGLANI

Applications are invited for the position (Superintendent (Pharmacist preferred) of the North East Midland Prescription Bureau, 2 Kenwood Park Road, Sheffield, Applicant who should not be more than 50 years of ago should have outstanding office and administra should have outstanding office and administrative ability, and be accustomed to the control of staffs. The annual salary scale will be £635-710, and the person appointed will be required to contribute to the National Healt Service Superannuation Scheme, Application stating age, qualifications and experience, gether with the names of two referees, should the forwarded to the Clerk of the Joint Pricin Committee, 28, Kenwood Park Road, Sheffield

#### RAMPTON STATE MENTAL INSTITUTION

NEAR RETFORD, NOTTS.

PHARMACIST. (Male or female.) A vacand exists at the above Institution for a register pharmacist. Scale of salary for pharmacist sole charge: £420 x £15 x £525 per annum In addition an allowance of £50 per annum w. be paid to a qualified optician.

An attractive three-bedroomed cottage available for a married man. Rent £40 p annum. Quarters are available for a single pe son at a charge of £40 per annum plus co

of board.

The post is subject to the National Healt Service (Superannuation) Regulations, 1947-4
Amenities include tennis courts, badminton

swimming pool, etc.

Applications, stating age, experience, refeences, etc., should be sent to the Medic Superintendent.

#### THE UNITED LEEDS HOSPITALS THE GENERAL INFIRMARY AT LEED

Applications are invited for the appointmen of ASSISTANT PHARMACIST (two r quired). Salary commencing at £350 p.a plus meals when on duty and with addition payment for stand-by duty. 'The remuner tion payable is subject to adjustment in the light of scales to be made known by the Minister of Health. National Health superannuation scheme in force. Night and wee end duty will be worked in rotation. Previous hospital experience not essential. Applican hospital experience not essential. Applican must reply in own handwriting, stating se age and experience, and also enclose copies not more than three recent testimonials, the Secretary to the Board as soon as possibl

#### SOUTHEND-ON-SEA HOSPITALS GENERAL HOSPITAL, ROCHFORD, ESSEX

LOCUM ASSISTANT PHARMACIST require immediately for minimum of two month Salary £8 10s. per week. Non-resident. A possible assistance will be given in findir accommodation in the district, without obligation to the hospital. Apply immediately to the Medical Superintendent, General Hospita Rochford, Essex. (Tel. No.: Rochford 5627 stating date when available.

J. C. Field, Secretary Hospital Management Committee

20 Warrior Square, Southend-on-Sea.

#### SOUTHEND-ON-SEA HOSPITAL GENERAL HOSPITAL, ROCHFORD

pplications are invited for the position of ISTANT PHARMACIST at the above pital. Candidates should hold one of the strable qualifications of the Pharmaceuti-Society. The salary is in accordance with recommendations of the Joint Negotiating mittee (Hospital Staffs) i.e., £370 x (4) x £20(1) to £450 per annum. The mencing salary will depend upon previous pital experience.

ital experience.

ital experience.
he position is subject to the provisions of National Health Service (Superannuation) ulations, 1947. Application forms may be ined from, and must be returned as soon possible to, the Medical Superintendent, eral Hospital, Rochford, Essex.

OCUM ASSISTANT PHARMACIST red immediately for minimum of two ths. Salary £8 10s. per week. Non-resing accommodation in the district, without sation to the hospital. Apply immediately he Medical Superintendent, General Hospital, Rochford, Essex (Tel. No. Rochford B), stating date when available.

JOHN WILLIAMS Secretary, Hospital Management Committee. Warrior Square,

Warrior Square, outhend-on-Sea,

#### I CHESTER & DISTRICT HOSPITAL MANAGEMENT COMMITTEE

MANAGEMENT COMMITTEE
lications are invited for the post of
ISTANT PHARMACIST at the City HosI, Chester. Salary, £370 to £450 per
im. Transferable officers have the option
retain their present conditions and salary.
ointment subject to provision of National
lith Service Superannuation Regulations,
Non-transferable officers will be subject
to Applicants should medical examination. Applicants should passed the minor examination of the rmaceutical Society. Applications, giving particulars of experience, together with es of recent testimonials, should be sent he undersigned as soon as possible.

P. R. J. ARNOLD, Secretary to the Committee. ings Buildings,

hester.

#### NITED BIRMINGHAM HOSPITALS (Teaching Group)

Polications are invited for the post of PUTY CHEF PHARMACIST at the EEN ELIZABETH HOSPITAL from male rmaceutical Chemists with at least three s' experience in hospital pharmacy. Interest pharmaceutical research will be a recomdation. Salary in accordance with J.N.C. plus £25 p.a. for additional duties (i.e. o rising to £565 p.a. at present, but subject nationally negotiated terms and conditions ervice). Apply giving full particulars of age, ung and experience, together with two aing and experience, together with two out testimonials to the Superintendent of Pharmaceutical Department, Queen Eliza-Hospital, Edgbaston, Birmingham, 15.

#### **AGENCIES**

36 words 17/6 (minimum) then 4d. per word. Box 2/-

AGENTS calling upon chemists, stores, hairdressers, etc., required by well-known perfume manulacturers offering exceptional value. Good commission is given, and established connection handed over. Re-

given, and established connection handed over. Reply fully, in confidence, stating ground covered, and lines carried Box 5/149.

AGENTS wanted to handle established range of pharmaceuticals and fine chemicals. Must have established connection with wholesale and retail chemists and/or hospitals and local authorities. Generous commission. Box 5/142.

AGENTS required to sall netionally advertised lines.

Generous commission. Box 5/142.

AGENTS required to sell nationally advertised lines attractively packed and easily carried. The following exclusive territories are vacant: Yorkshire, Lancs, N. Wales, Cumberland, Durham, Berks, Bucks, Oxon. Box No. 164, Wakefield's, 185 Fleet St., E.C.4.

AGENTS WANTED, calling on manufacturers of chemicals, cosmetics, foodstuffs, disinfectants, polishes, etc., to sell for prompt delivery 50,000 gross new bottles and jars in sizes from 1 dram to 5 gallons, with metal or plastic screw caps; 20,000 strong wooden and plywood cases suitable home or export packing; 50,000 corrugated and fibreboard cartons; 20,000 gross lever lid, slip lid and screw neck tins from ½ oz. to 5 gallons capacity; 200,000 sheets waterproof and brown wrapping paper. Regular supplies. Large earnings for right man. Commission only. Send details experience, territory, age, other lines carried, to Box MANUFACTURERS of wall-known pratically and the supplier of the supplier of

MANUFACTURERS of well-known, nationally-advertised C.F. line are open to appoint an experienced agent for the Midlands. Please state full particulars in first instance. Box 5/18.

W. SHUPAK & CO., LTD., associate company of Esco (Rubber), Ltd., wish to handle as sole export agents non-competing products of reputable manufacturers. 2 Stothard Place, Bishopsgate, London, E.C.2. Telephone: Bishopsgate 9139.

#### **BUSINESS OPPORTUNITIES**

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ADVERTISER has proposition of genuine interest to smaller pharmaceutical firms desiring representa-tion, but not employing own travellers. Scheme does not entail distributorship. Details in confi-dence from Box 5/32.

does not entail distributorship. Details in confidence from Box 5/32.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture and/or packing of domestic, industrial or toilet products. Bottle, powder and tube filling. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Reliance 3435.

#### FOR SALE

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FULL CHEMIST FITTINGS for sale. Good condition. Going cheap as owner requires space. Good condition. Going cheap as owner requires space. Goodman, 19 Brunswick St., Cheetham, Marxhester, 8.

4 LB. LAVENDER COMPOUND, also 42 lb. Florina Lilac perfume. No reasonable offer refused. Box 5/133.

#### WANTED

36 words 8/6 (minimum) then 3d. per word. Box 2/-GLYCERIN, B.P., and Triple Stearic Acid wanted by manufacturers in small or large quantities. Box

STEARIC ACID, triple pressed, required in large quantities. Box 4/2.

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Telephone: VICtoria 5686

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WANTED FOR EXPORT, stabilised bleaching pow-der, half-minute clinical thermometers, Soda Bicarb, Sodium Sulphide, Santonin, Acid Cryso-phenic, Hydrosulphite of Soda, Carbon Black, Chrome Oxide Green, Black, Beta Naphthol. K. T. M. Mirchandani, 11 Mulgrave Rd., Croy-

Chrome Oxder Green, Black, Beta Naphthol.
K. T. M. Mirchandani, 11 Mulgrave Rd., Croydon. 'Phone Cro. 0951.

2 PORCELAIN VATS wanted, 60 galls or 50 galls.; also secondhand water softener, capacity 350 galls. or more, in good workable condition. Pola Manfg. Co., 22A Green Lane, Penge, S.E.20. Tel. Sydenham 7524.

#### MISCELLANEOUS SALES

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EAU DE COLOGNE, export surplus. 100 gallons only available. First-class quality, full strength, in returnable 10 gallon drums, 14/- per gallon for minimum 10 gallon order; 13/- 50 gallons; 12/- 100 gallons, exclusive of purchase tax, carriage paid.

Box 5/153.

FOR SALE. Autoclaves, gas and electric percolators, end-runner mill, drug presses, balances, Seitz filters, ampoule washing, sealing machine, etc. All the above are in first-class condition and surplus to our requirements. Details on application to Box

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IMMEDIATE DELIVERY, 30,000 transparent for sale, size  $3\frac{1}{7}$  in. x  $3\frac{1}{7}$  in., price 21/- per 1 to clear; in perfect condition. Apply Box 5/NATIONAL CASH REGISTER for sale, 1948.

REDUCED PRICE to clear surplus, 6 ex. Pane matic films to fit 120/620. Every film guarar perfect, 18s. doz., plus carriage, Gross lots riage paid. C.O.D. post. Box 4/922.

riage paid. C.O.D. post. Box 4/922, RUBBER LINED STORAGE TANK for sale; long x 3 ft. 6 in. wide x 4 ft. high, ho approx. 800 galls. Mild steel acid resisting rul \$200 or nearest offer. Excellent condition. Manfg. Co., 22A Green Lane, Penge, S.E.20. Sydenham 7524.

SACCHARIN TABLETS. Standard 550.02, 72 gross, packed in 100's. Boxed in 1 gross. Minl 5 gross, 1 gross at 74s. Bulk 4s. 4d. 1,000, mini 50,000, carriage paid. Cheque with order. 5/148.

50,000, Carriage paid. Chieque with order.
5/148.

SUPER MACHINE OIL, 4 x 45 gallon drums gallon, drums free. 5 x 3½ cwt. B.P.C. y petroleum jelly, 50/- cwt., drums free. 1,000 1-0z. ointment tins (plain), 4/- gross. 100,000 tins, 1 in. sq. x ½ in. deep, 10/- 1,000. 50
2-0z. screw type top bakelite ointment conta (black), 10/- gross. 50,000 1-0z. bakelite oil tainers with screw top dropper, 10/- 1,000. ples from Horne, 98 West Bar, Sheffield.

SURPLUS. Metal caps, screw type, 77 mm., metal discs and rubber rings forming comp airtight closure. Large quantity offered at n facturer's price. Sidney Trading Co., Ltd., Wilkes St., London, E.1. Bis 1149, 7802.

VACUUM FLASK SURPLUS. Pints approx. cases, bakelite cups and shoulders. Each flask guaranteed. Boxed in 50/5. Carriage paid, each, cash with order. Kale Bros., 23 St. K Rd., London, N.16.

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2-5 Little Britain (close to G.P.O.), London, J COMPLETE RANGE OF CHEMISTS' TURES. 10 ft. drug run, showcases, tallbo plate glass counters, mirrors, cash till, chro display stands, glass shelves, office equipmen typewriters.

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BRITISH PATENT No. 474,409. The prop are prepared to license British manufactur work thereunder. It relates to medicinal cor coated pills. Address, Boult, Wade & Te 112 Hatton Garden, London, E.C.1.

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TO LET. Factory, 3,000 sq. ft., in East Lewith office and laboratory accommodation. enamel-lined pans, stoneware, filters, small etc. for disposal. Box 5/112.



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